FIG.1

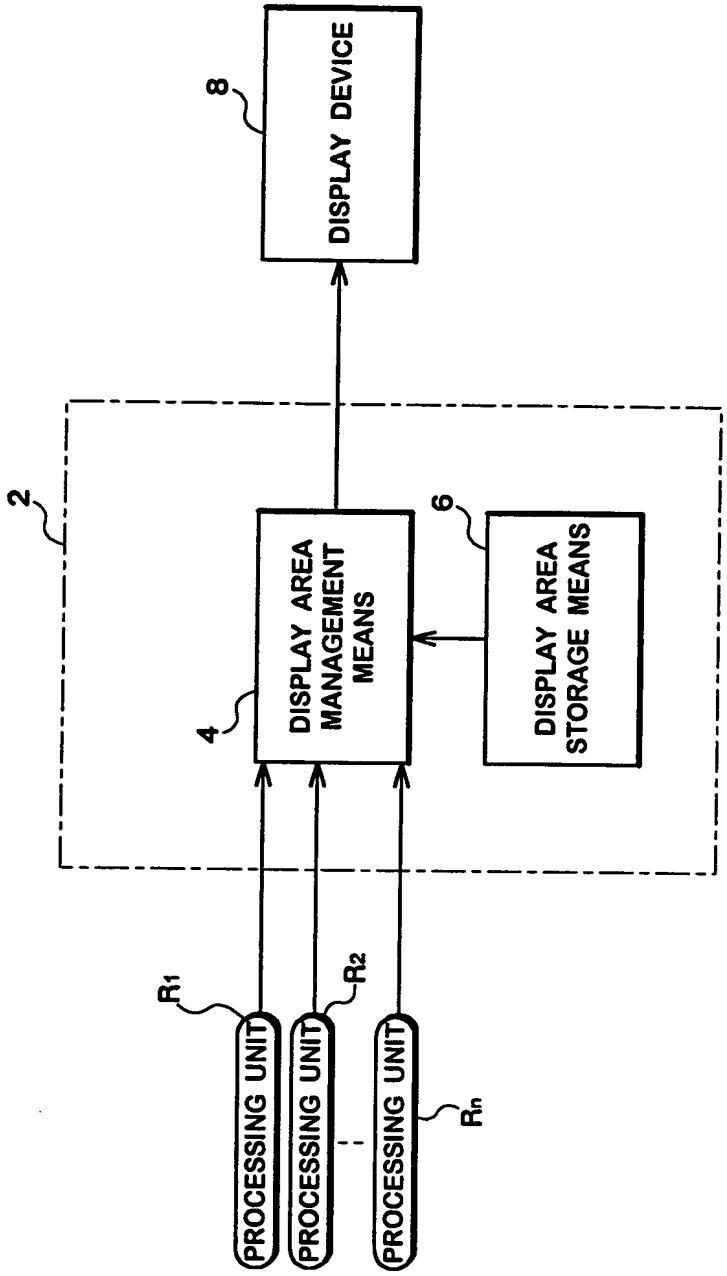

8
DISPLAY DEVICE
2
4
DISPLAY AREA MANAGEMENT MEANS
6
DISPLAY AREA STORAGE MEANS
R1
R2
Rn
PROCESSING UNIT
PROCESSING UNIT
PROCESSING UNIT

FIG.2

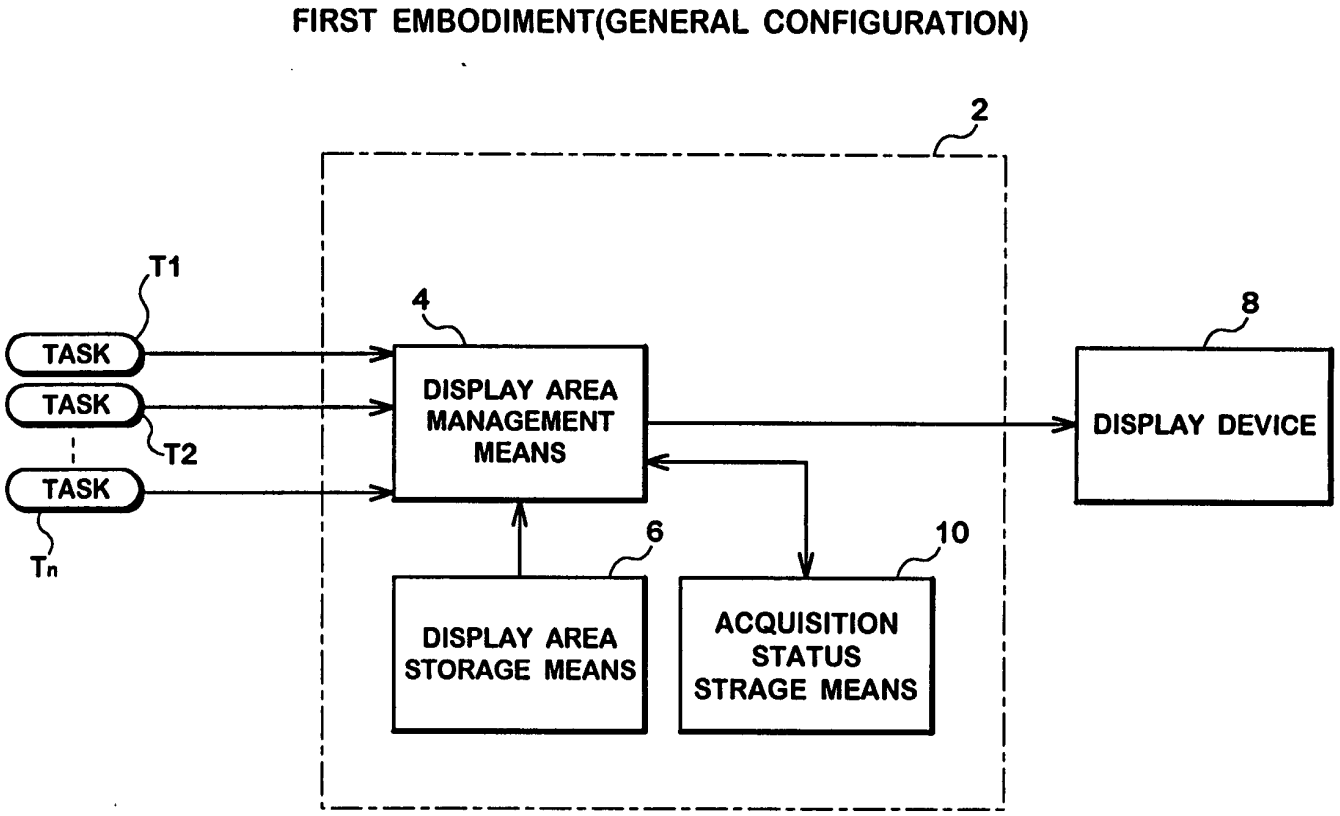

FIRST EMBODIMENT(GENERAL CONFIGURATION)
2
T1
TASK
TASK
T2
TASK
Tn
4
DISPLAY AREA MANAGEMENT MEANS
8
DISPLAY DEVICE
6
DISPLAY AREA STORAGE MEANS
10
ACQUISITION STATUS STRAGE MEANS

FIG.3

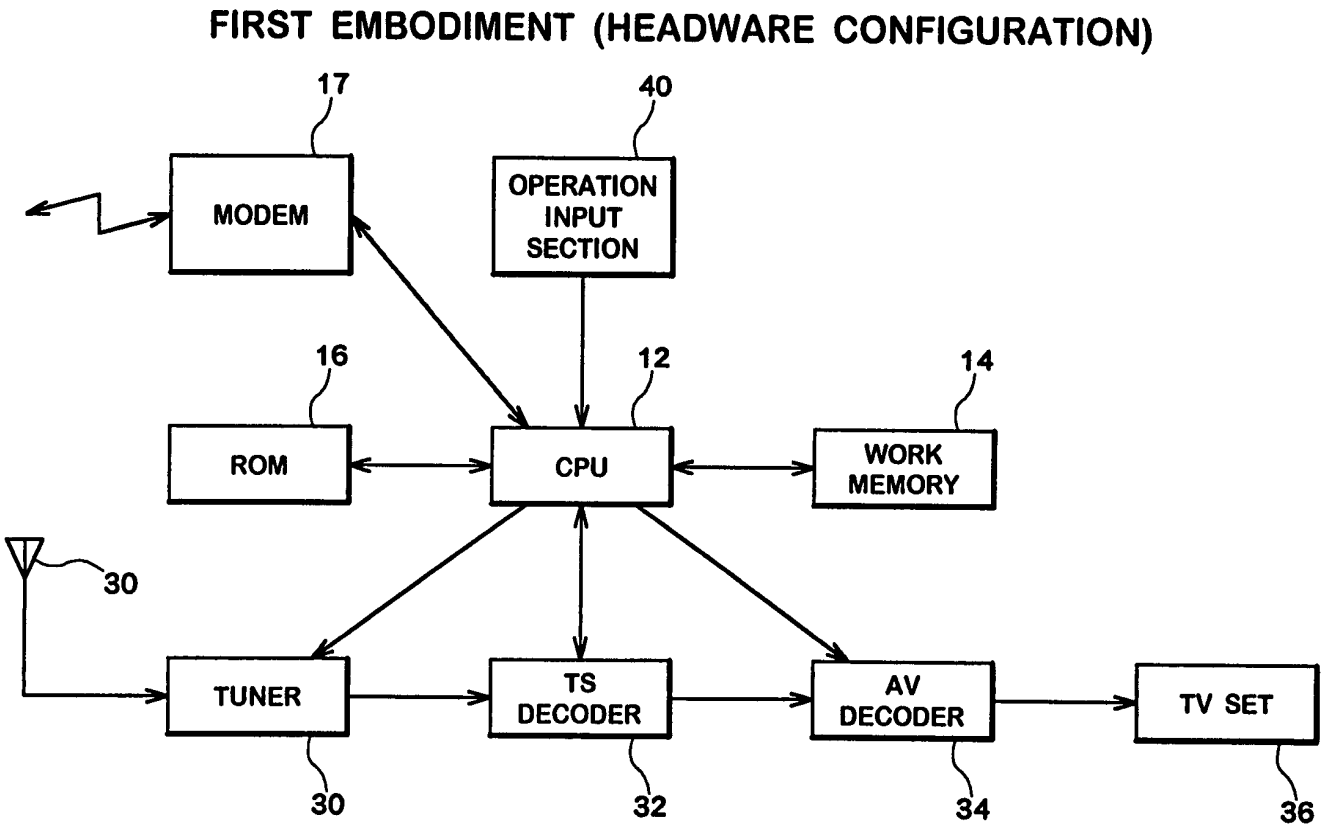

FIRST EMBODIMENT (HEADWARE CONFIGURATION)
17
40
MODEM
OPERATION INPUT SECTION
16
12
14
ROM
CPU
WORK MEMORY
30
TUNER
TS DECODER
AV DECODER
TV SET
30
32
34
36

FIG.4

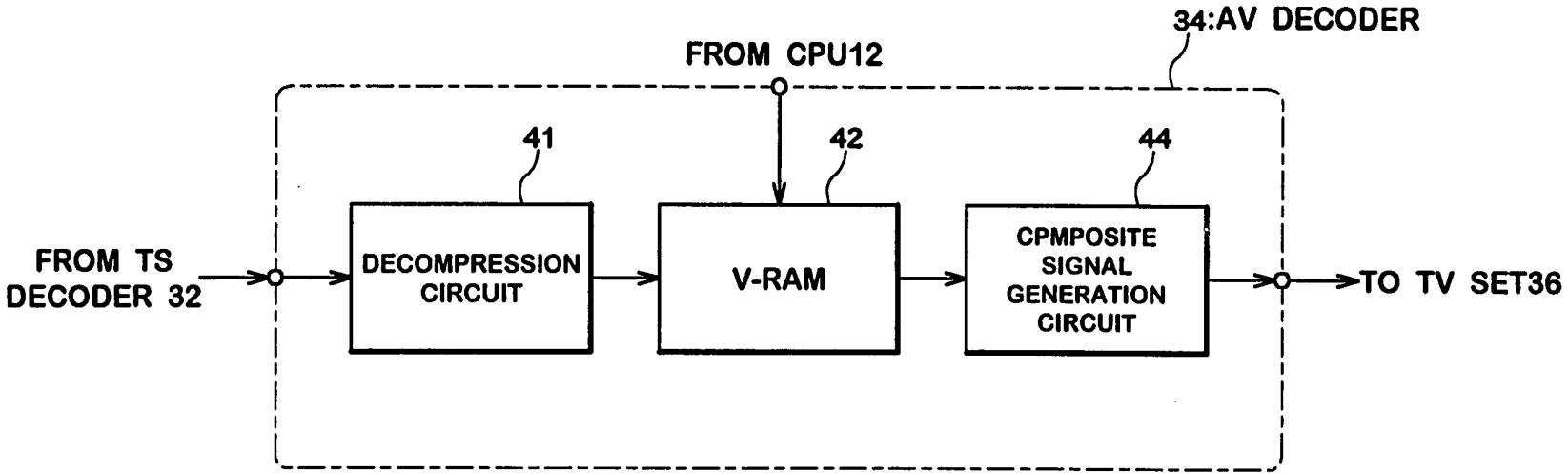

34:AV DECODER
FROM CPU12
41
42
44
FROM TS DECODER 32
DECOMPRESSION CIRCUIT
V-RAM
CPMPOSITE SIGNAL GENERATION CIRCUIT
TO TV SET36

FIG.5

DISPLAY AREA DEFINITION EXAMPLE

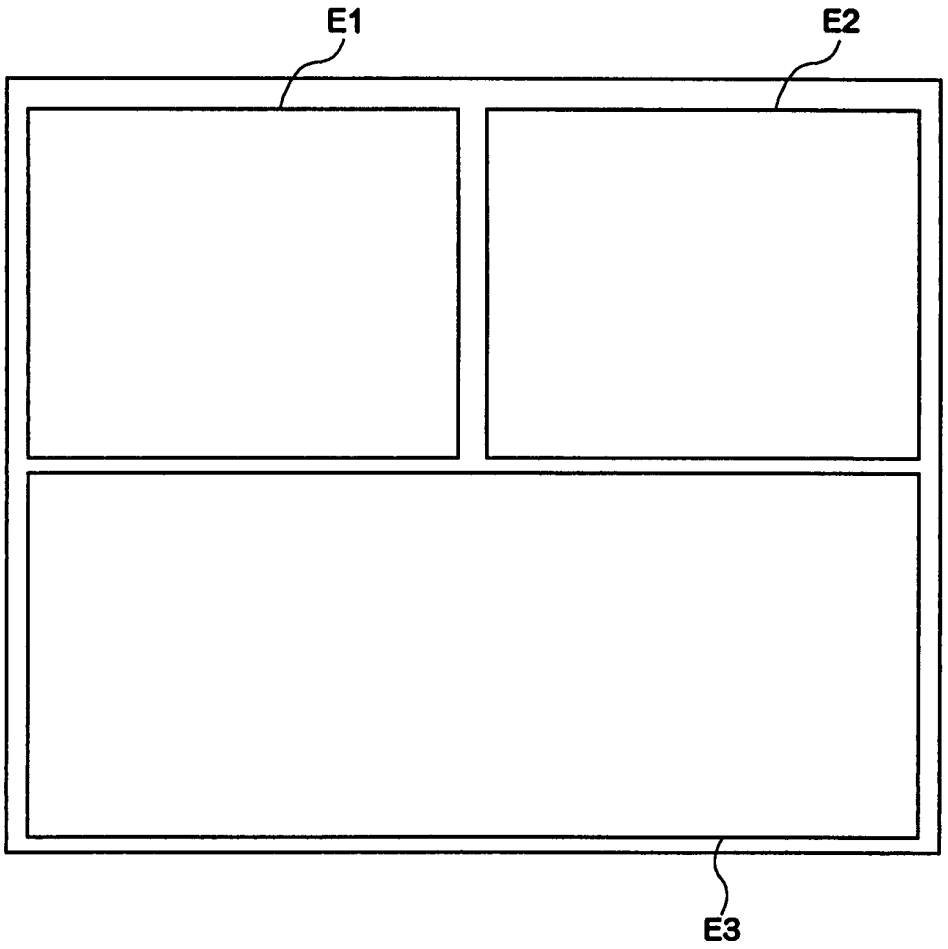


FIG.6

DISPLAY AREA DEFINITION TABLE

AREA	ORIGIN COORDINATE	WIDTH	HIGHT	REMARKS
E1	(0, 0)	340	210	UPPER LEFT HALF SCREEN AREA
E2	(340, 0)	340	210	UPPER RIGHT HALF SCREEN AREA
E3	(0, 210)	680	210	LOWER HALF SCREEN AREA

FIG.7

ACQUISITION STATUS STORAGE TABLE

A

AREA	TASK
E1	
E2	
E3	

B

AREA	TASK
E1	
E2	T1
E3	

FIG.8

FIRST EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

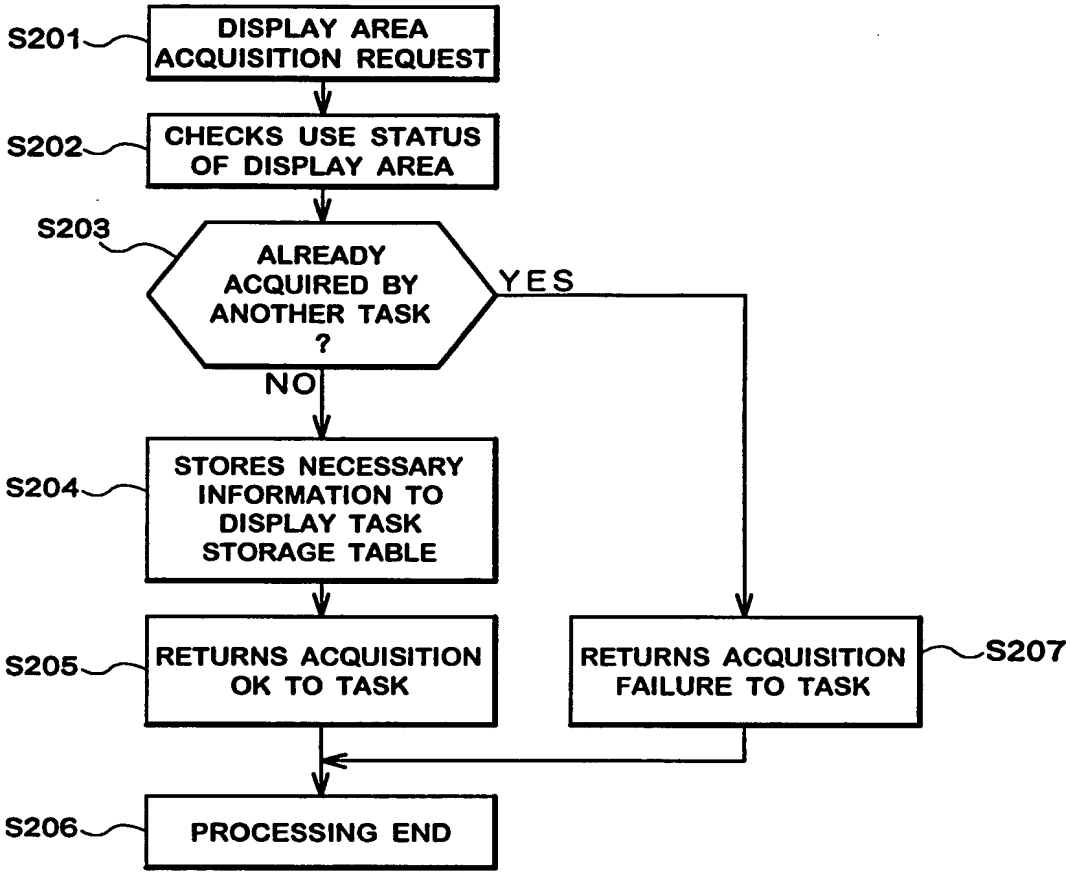


FIG.9

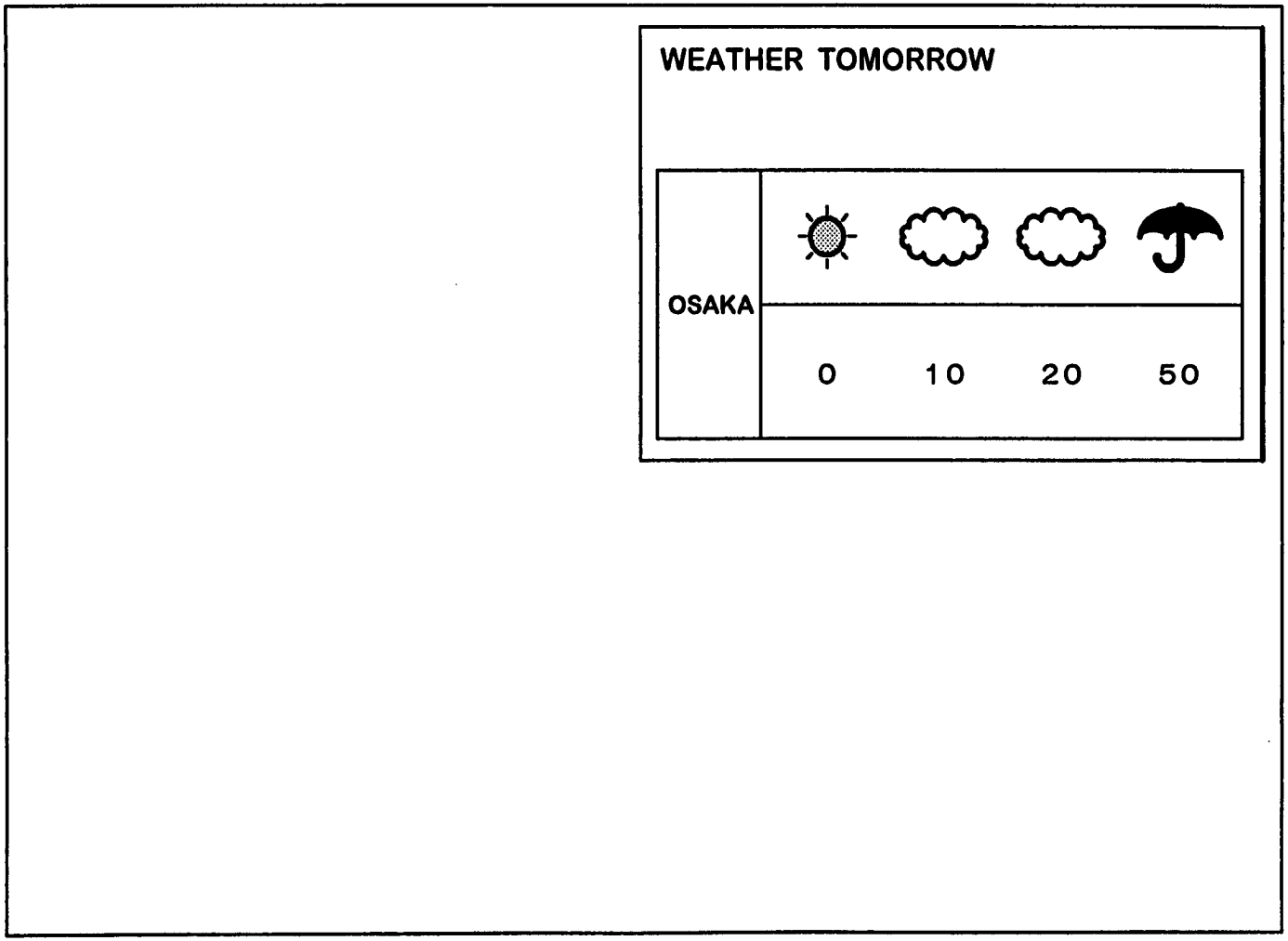


FIG.10

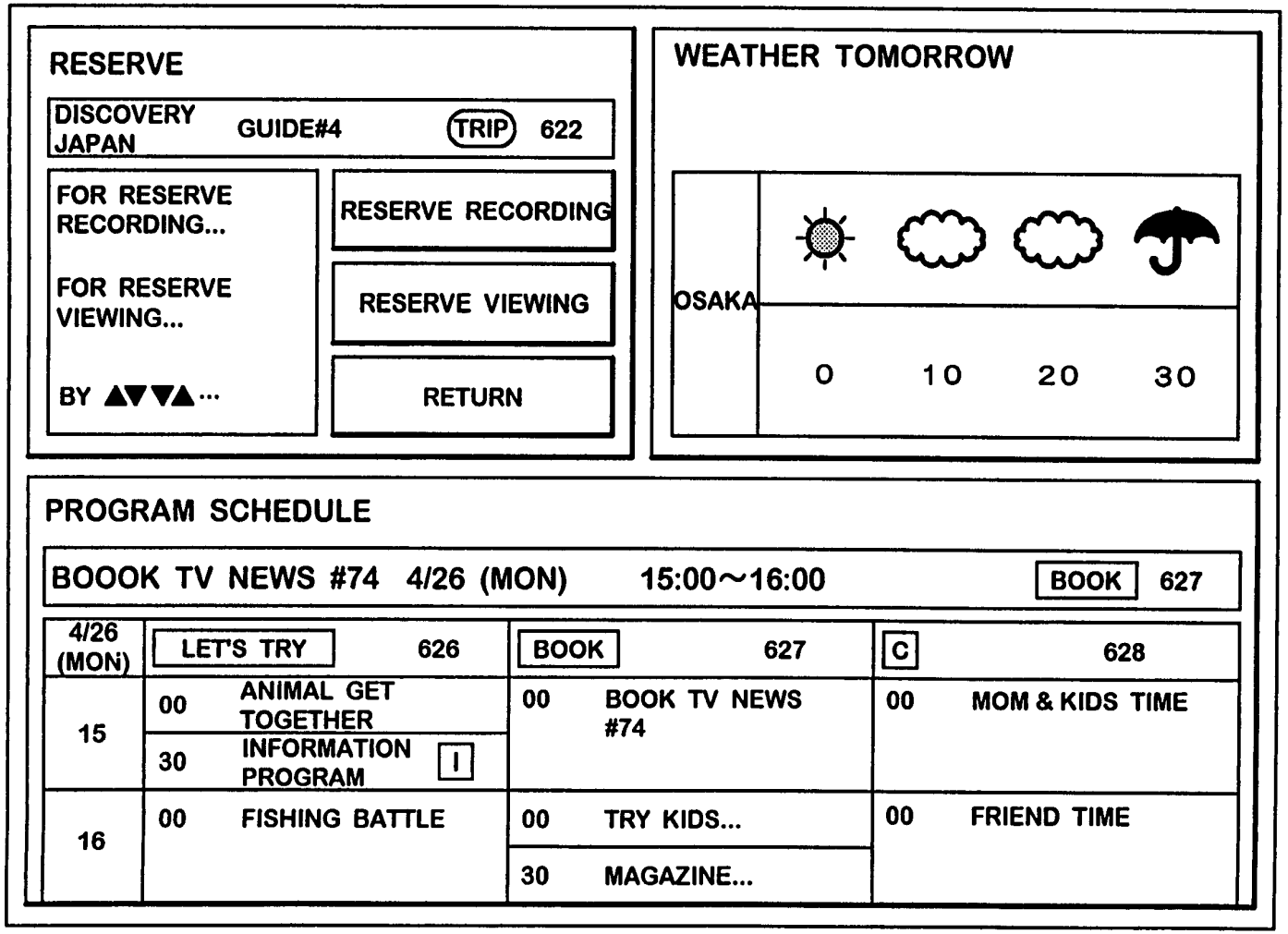

RESERVE
DISCOVERY JAPAN
GUIDE#4
TRIP
622
FOR RESERVE RECORDING...
FOR RESERVE VIEWING...
BY ▲▼▼▲···
RESERVE RECORDING
RESERVE VIEWING
RETURN
WEATHER TOMORROW
OSAKA
0
10
20
30
PROGRAM SCHEDULE
BOOOK TV NEWS #74 4/26 (MON) 15:00~16:00
BOOK
627
4/26 (MON)
LET'S TRY
626
BOOK
627
C
628
15
00 ANIMAL GET TOGETHER
30 INFORMATION PROGRAM
I
00 BOOK TV NEWS #74
00 MOM & KIDS TIME
16
00 FISHING BATTLE
00 TRY KIDS...
30 MAGAZINE...
00 FRIEND TIME

FIG.11

FIRST EMBODIMENT
(FLOW CHART OF RELEASE REQUEST PROCESSING)

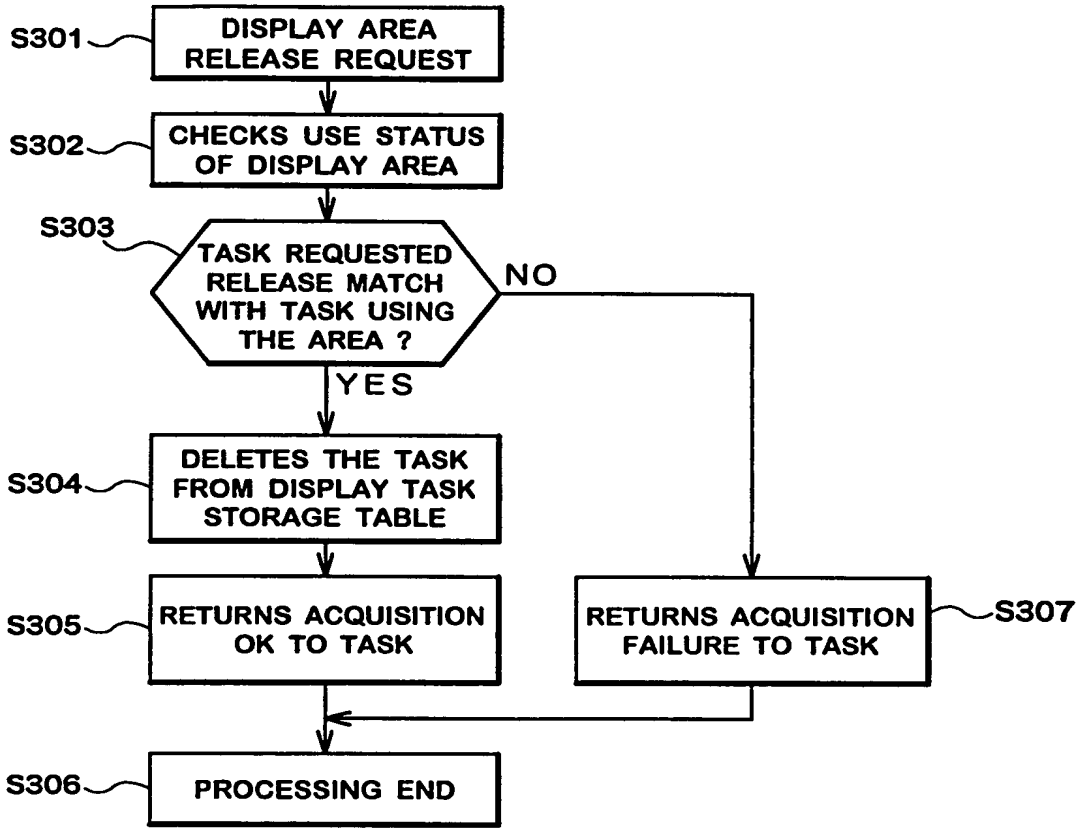


FIG.12

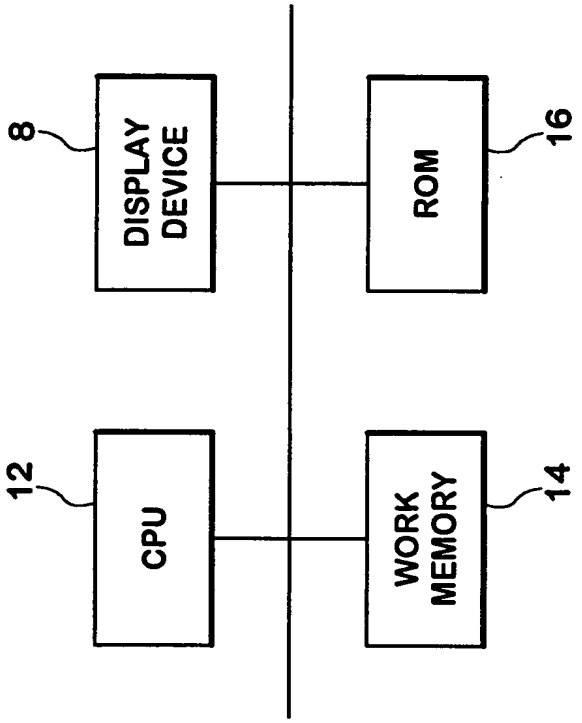


FIG.13

SECOND EMBODIMENT(GENERAL CONFIGURATION)

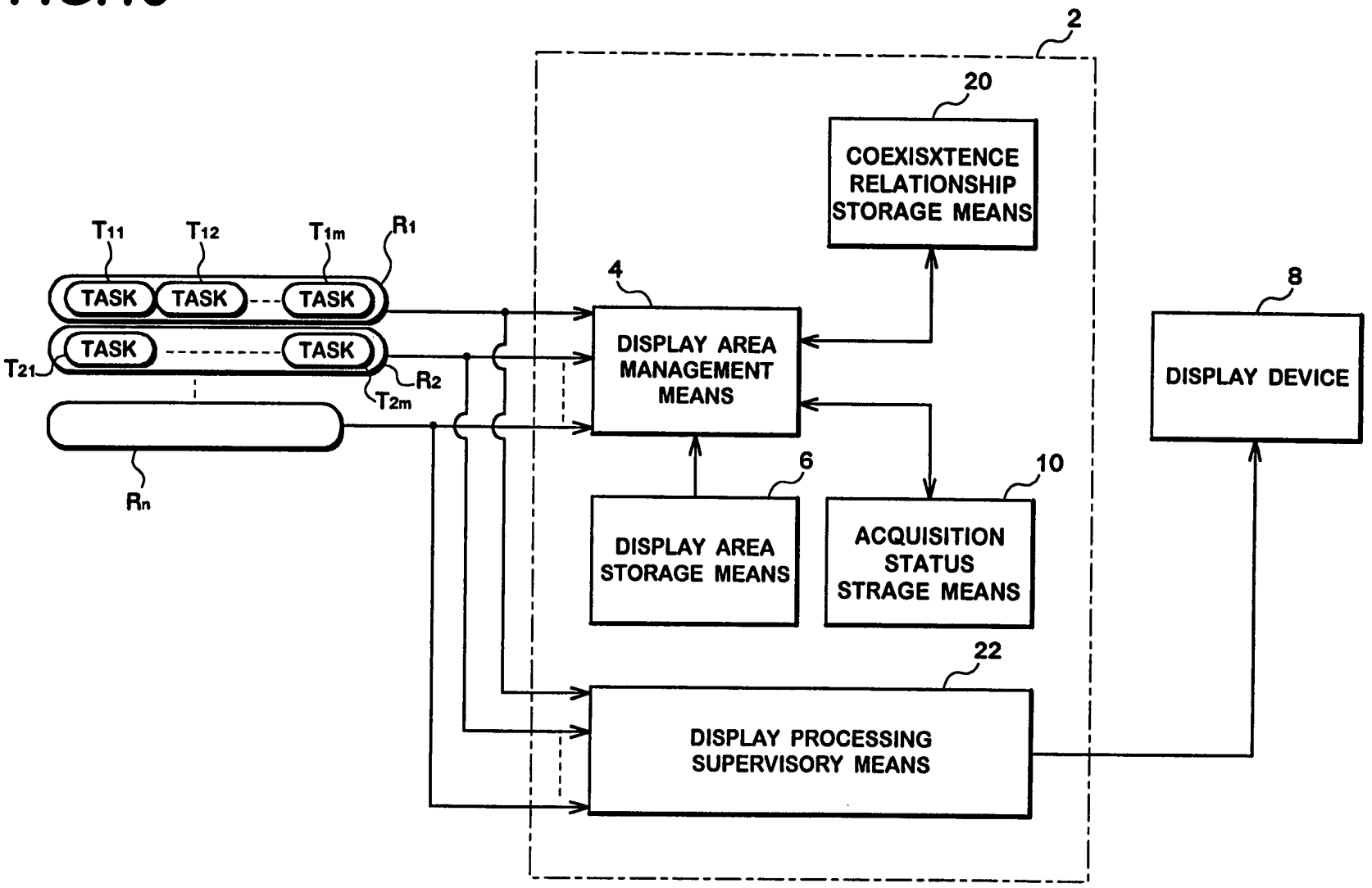


FIG.14

DISPLAY AREA DEFINITION EXAMPLE

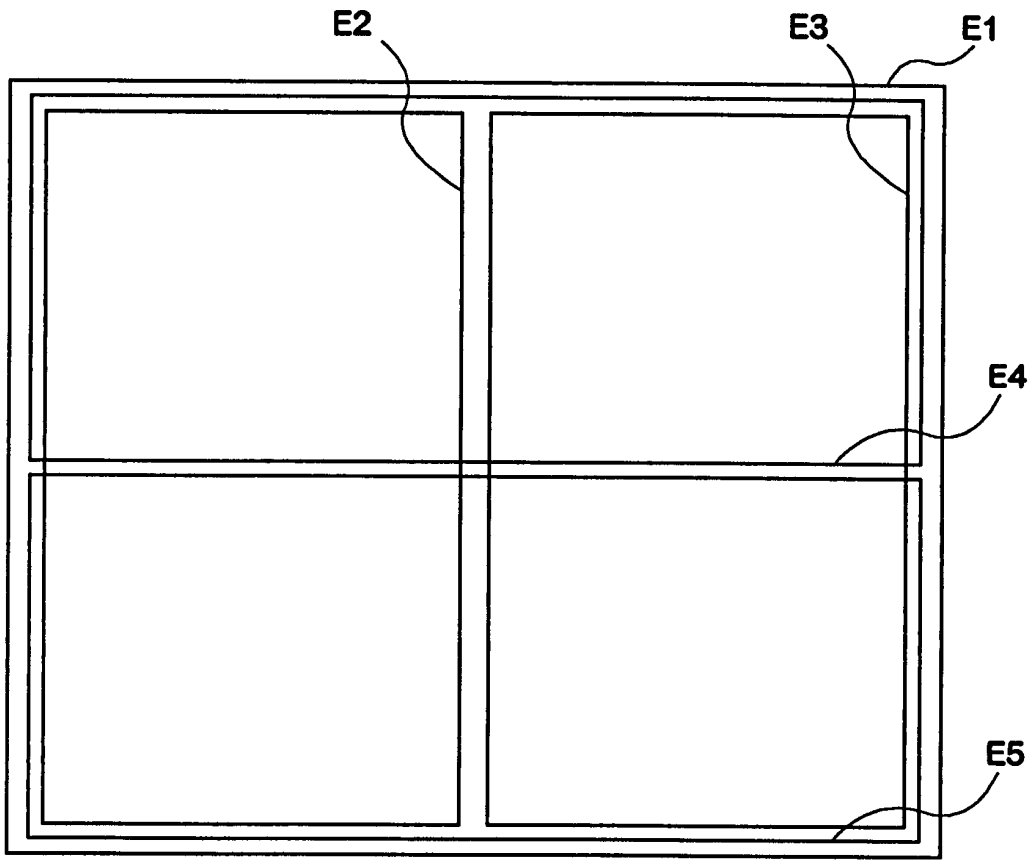


FIG.15

DISPLAY AREA DEFINITION TABLE

AREA	ORIGIN COORDINATE	WIDTH	HIGHT	REMARKS
E1	(0, 0)	680	420	ENTIRE SCREEN AREA
E2	(0, 0)	340	420	LEFT HALF SCREEN AREA
E3	(340, 0)	340	420	RIGHT HALF SCREEN AREA
E4	(0, 0)	680	210	UPPER HALF SCREEN AREA
E5	(0, 210)	680	210	LOWER HALF SCREEN AREA

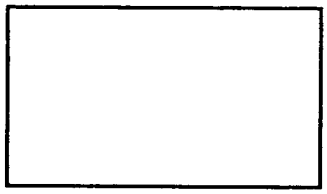
FIG.16

ACQUISITION STATUS STORAGE TABLE

DISPLAY SCREEN

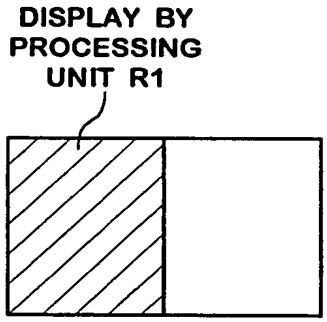
A

AREA	PROCESSING UNIT	KEY NUMBER
E1		
E2		
E3		
E4		
E5		



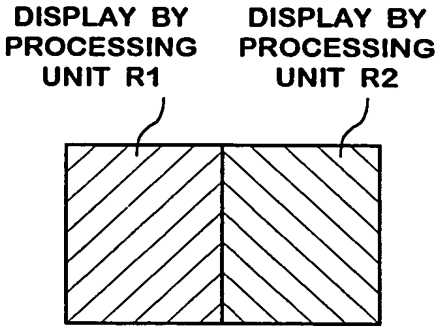
B

AREA	PROCESSING UNIT	KEY NUMBER
E1		
E2	R1	2105151305
E3		
E4		
E5		



C

AREA	PROCESSING UNIT	KEY NUMBER
E1		
E2	R1	2105151305
E3	R2	3205151307
E4		
E5		



D

AREA	PROCESSING UNIT	KEY NUMBER
E1		
E2	R4	2105151309
E3	R2	3205151307
E4		
E5		

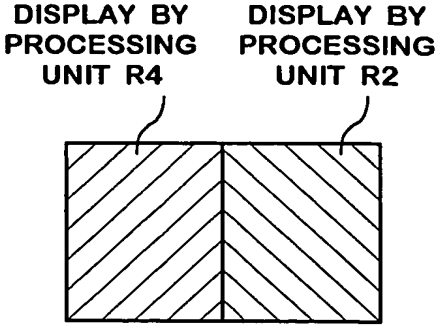


FIG.17

COEXISTENCE RELATIONSHIP TABLE

AREA	AREAS WHICH CANNOT COEXIST
E1	E2, E3, E4, E5
E2	E1, E4, E5
E3	E1, E4, E5
E4	E1, E2, E3
E5	E1, E2, E3

FIG.18

SECOND EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

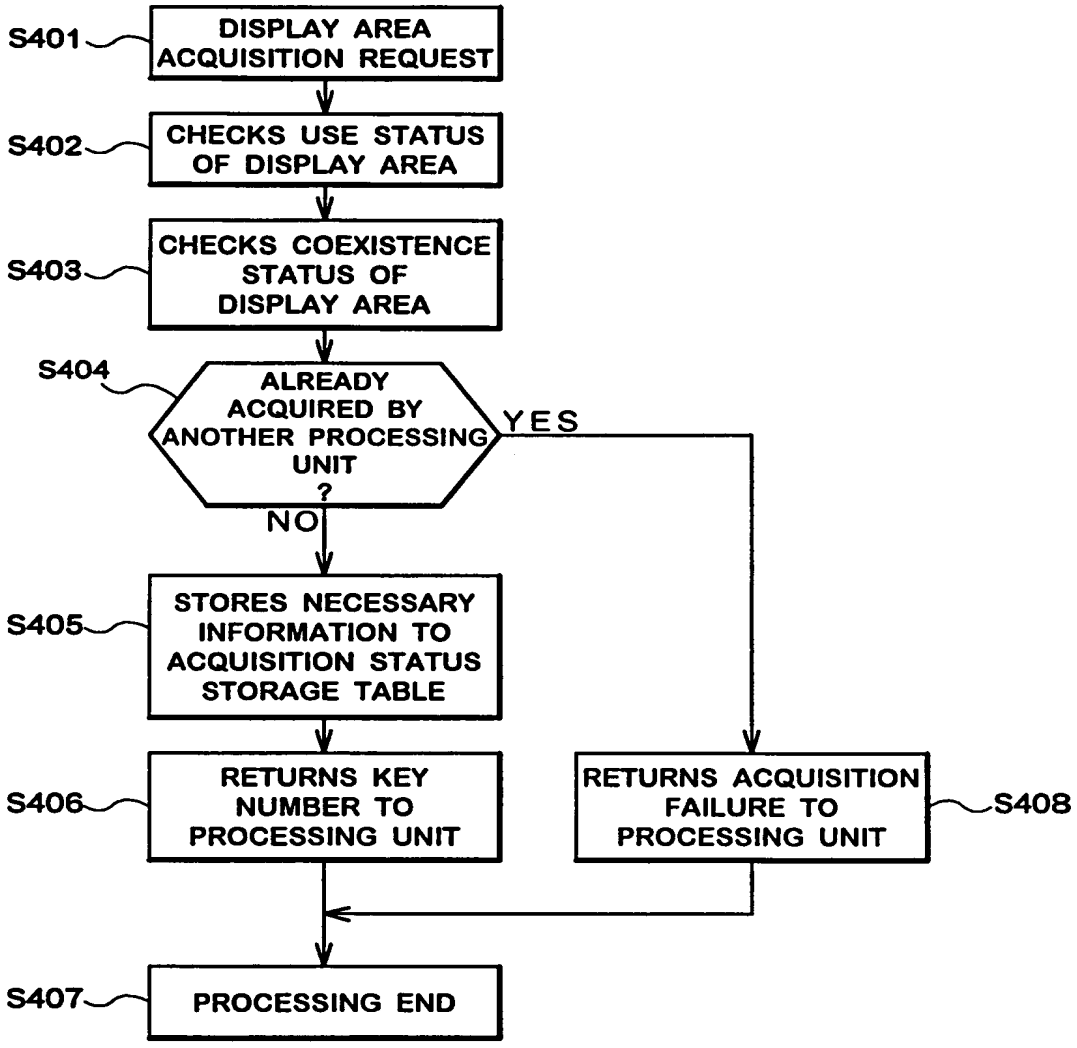


FIG.19

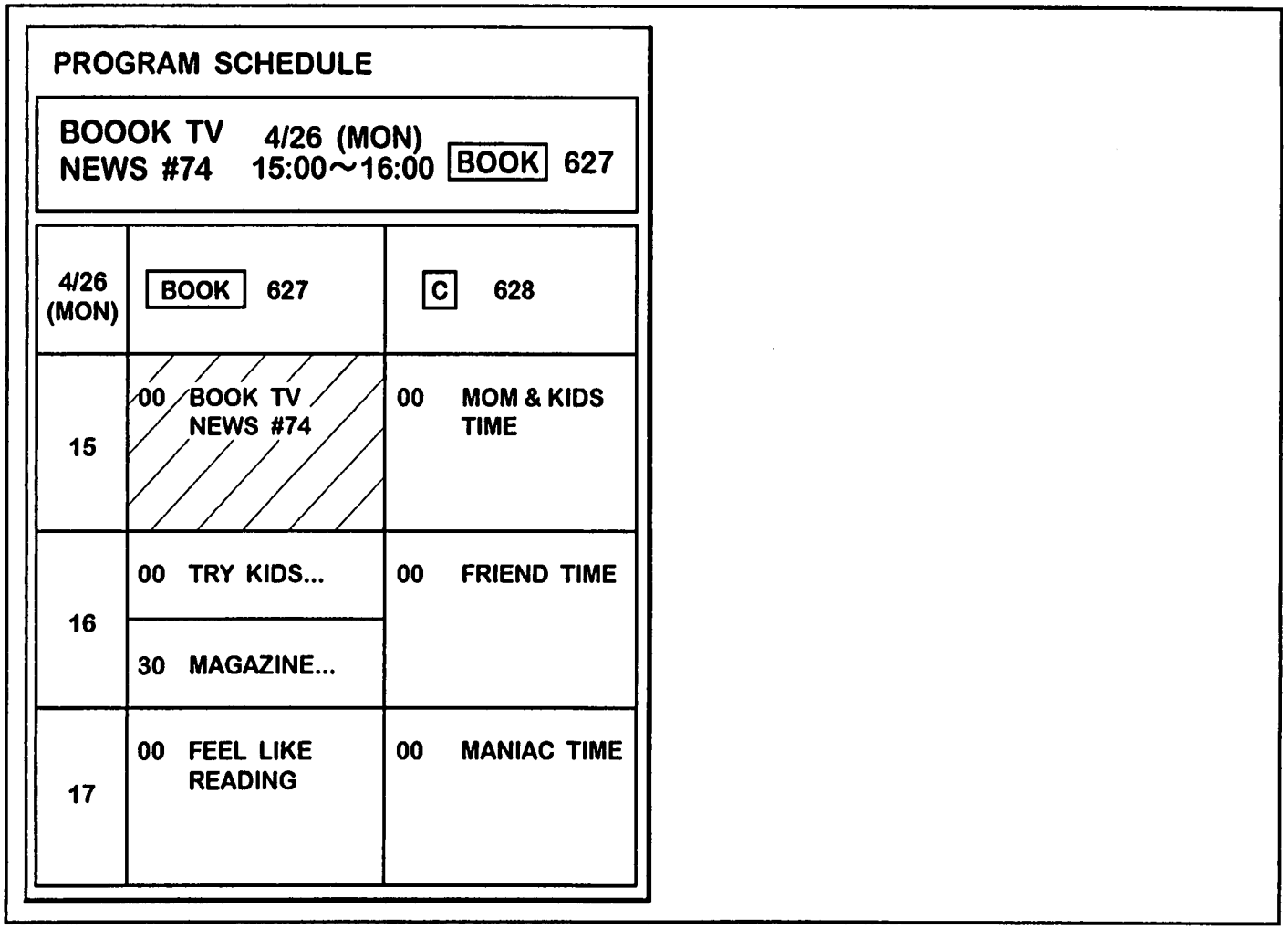

PROGRAM SCHEDULE
BOOOK TV 4/26 (MON)
NEWS #74 15:00~16:00 BOOK 627
4/26 (MON)
BOOK 627
C 628
15
00 BOOK TV NEWS #74
00 MOM & KIDS TIME
16
00 TRY KIDS...
30 MAGAZINE...
00 FRIEND TIME
17
00 FEEL LIKE READING
00 MANIAC TIME

FIG.20

SECOND EMBODIMENT
(FLOW CHART OF SUPERVISORY PROCESSING)

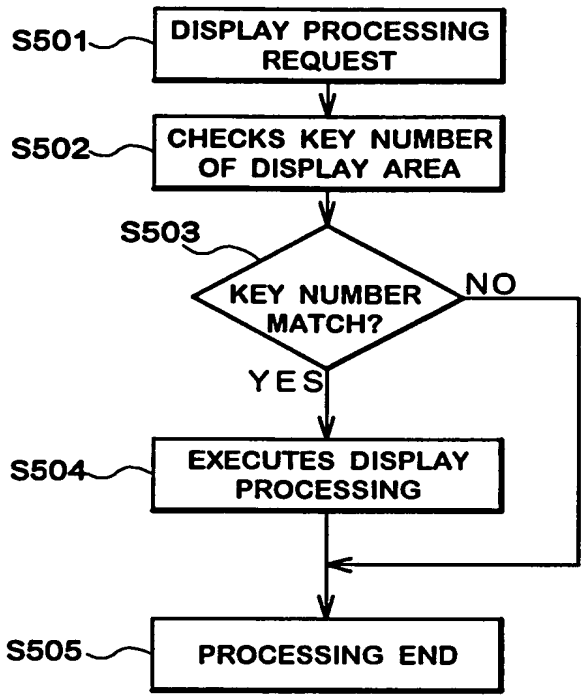


FIG.21

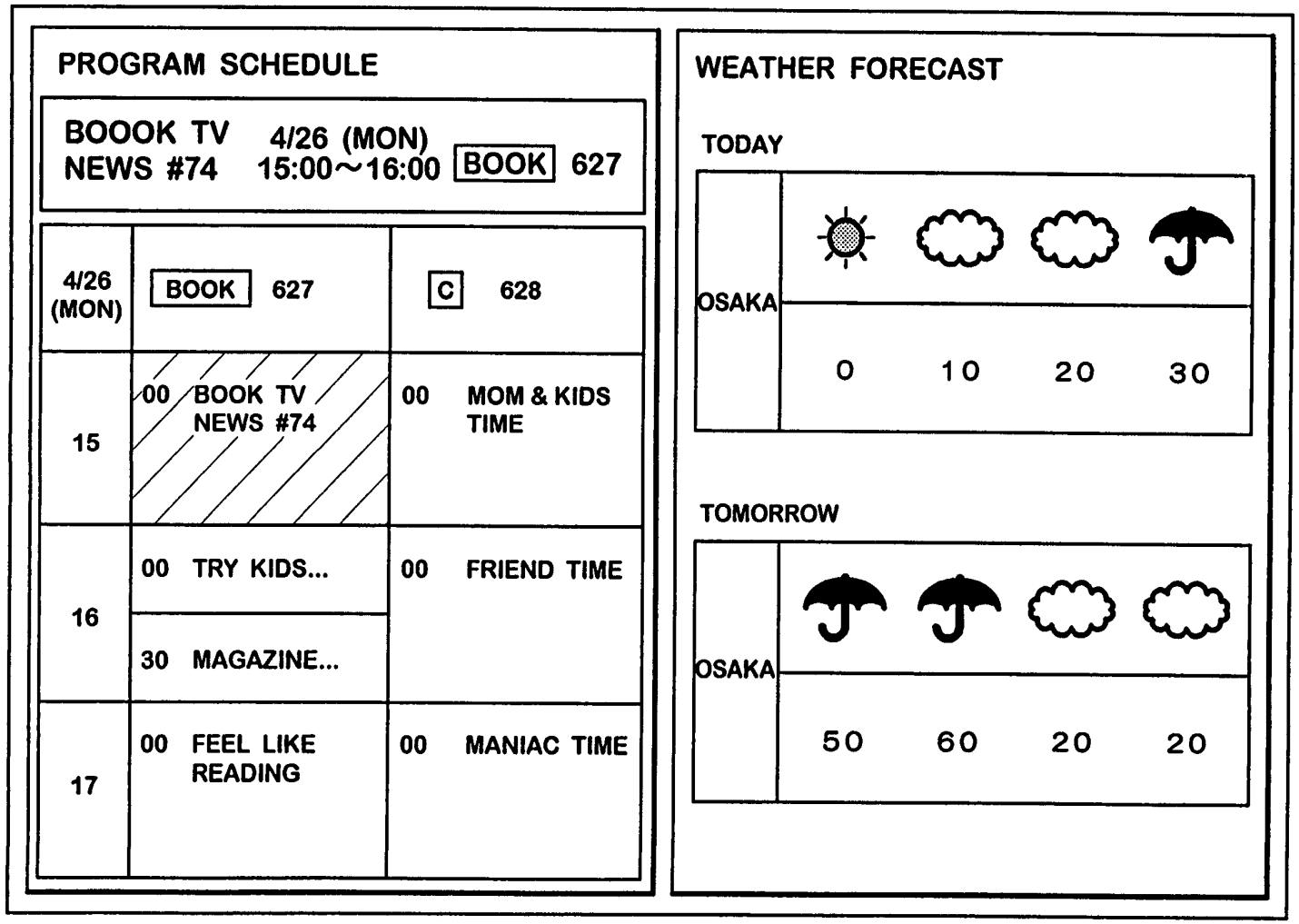

PROGRAM SCHEDULE
BOOOK TV 4/26 (MON)
NEWS #74 15:00~16:00 BOOK 627
4/26 (MON)
BOOK 627
C 628
15
00 BOOK TV NEWS #74
00 MOM & KIDS TIME
16
00 TRY KIDS...
30 MAGAZINE...
00 FRIEND TIME
17
00 FEEL LIKE READING
00 MANIAC TIME
WEATHER FORECAST
TODAY
OSAKA
0 10 20 30
TOMORROW
OSAKA
50 60 20 20

FIG.22

SECOND EMBODIMENT
(FLOW CHART OF SUPERVISORY PROCESSING)

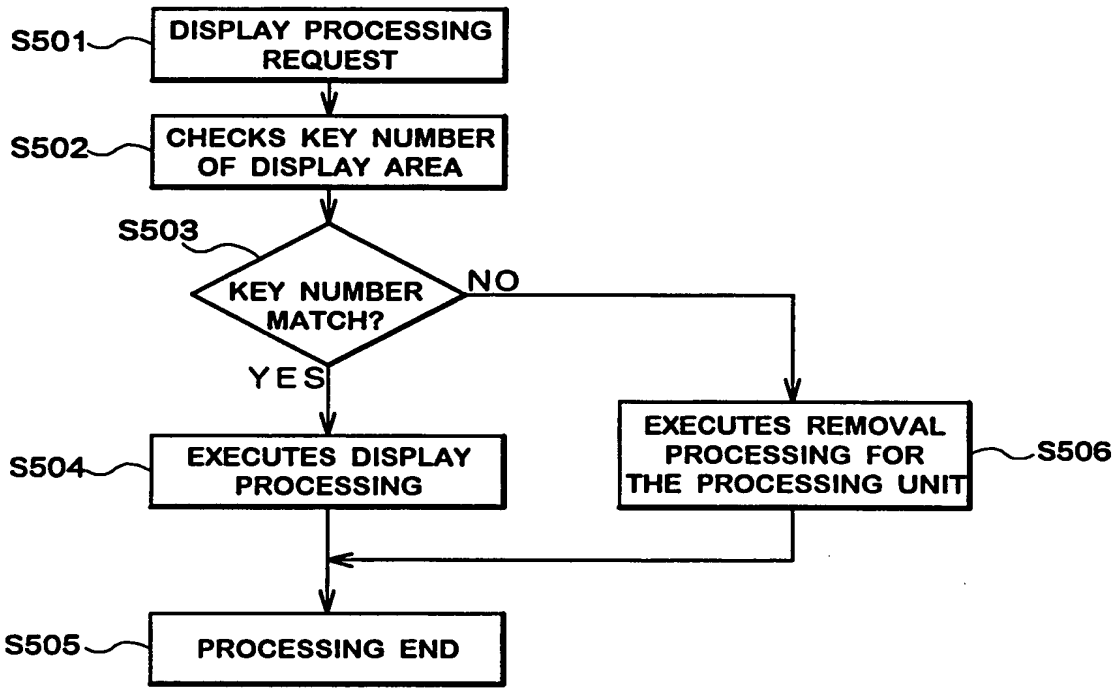


FIG.23

DISPLAY PRIORITY TABLE

AREA	PRIORITY
E1	1
E2	2
E3	2
E4	3
E5	3

FIG.24

THIRD EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

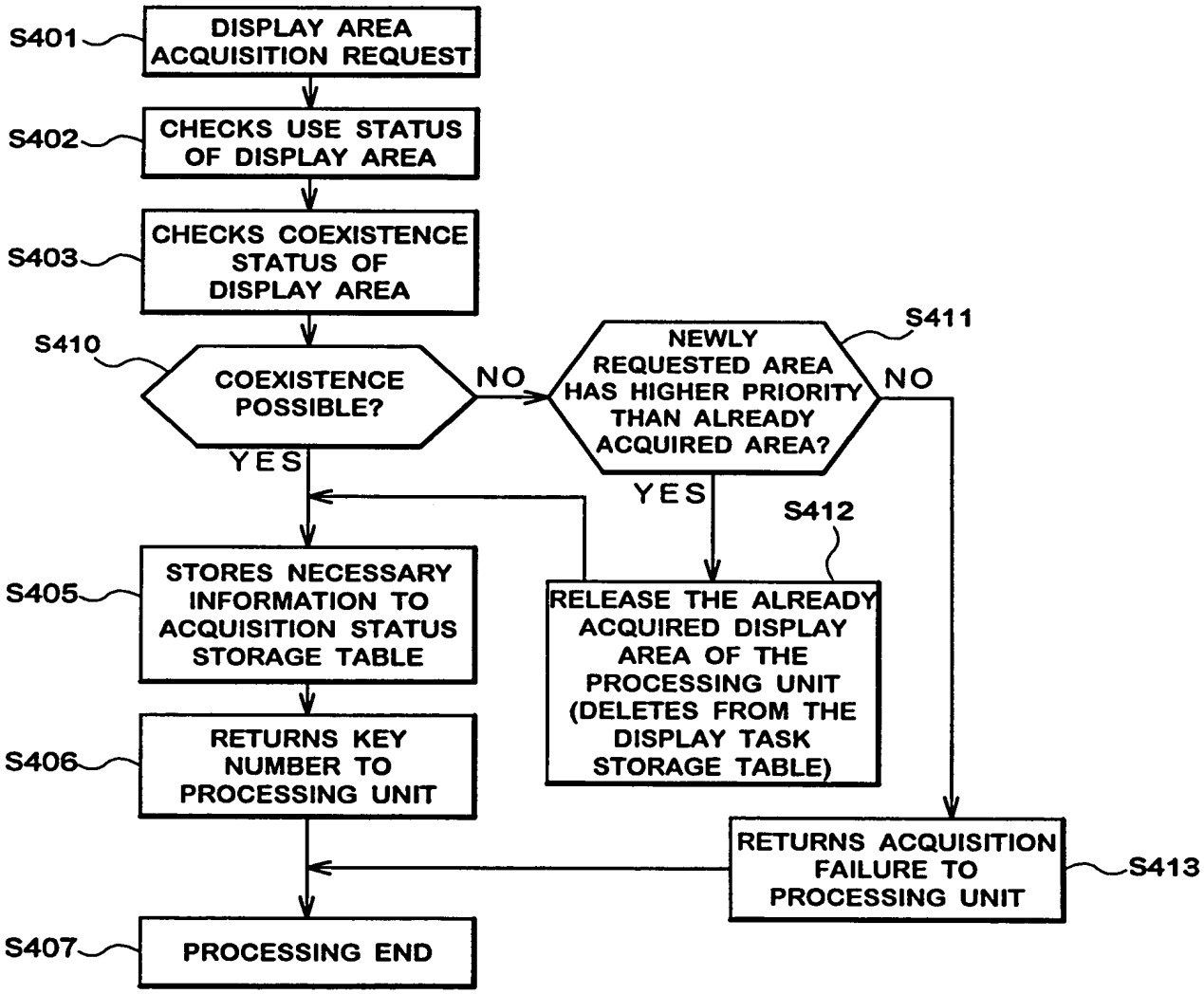


FIG.25

DEFINITIONS OF DISPLAY AREAS ON SCREEN

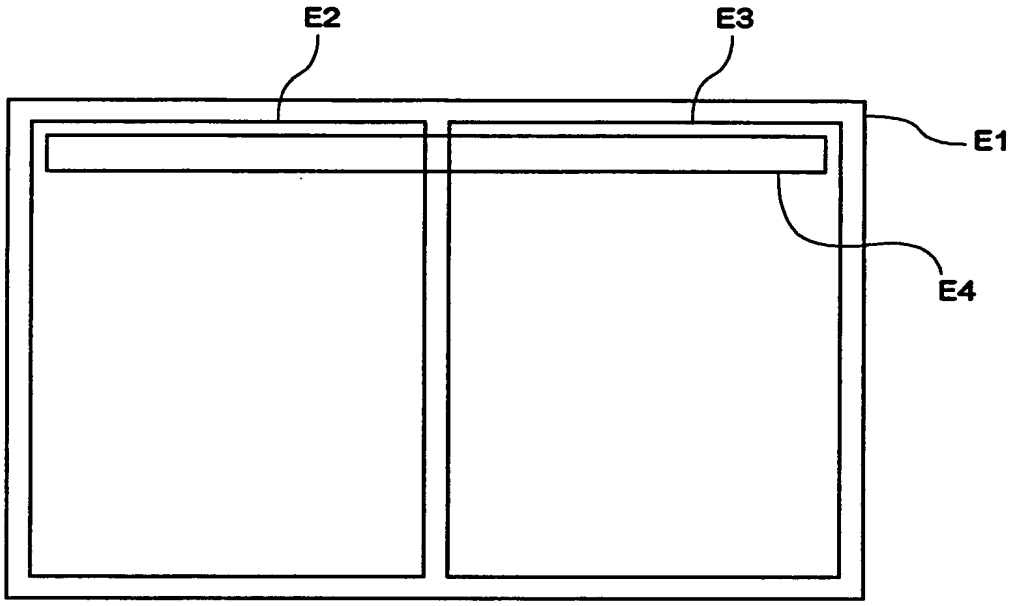


FIG.26

COEXISTENCE RELATIONSHIP TABLE

AREA	AREA WHICH CANNOT COEXIST
E1	E2, E3
E2	E1
E3	E1
E4	

FIG.27

DISPLAY AREA PRIORITY TABLE

AREA	PRIORITY
E1	2
E2	3
E3	3
E4	1

FIG.28

FLOW CHART OF DISPLAY PROCESSING

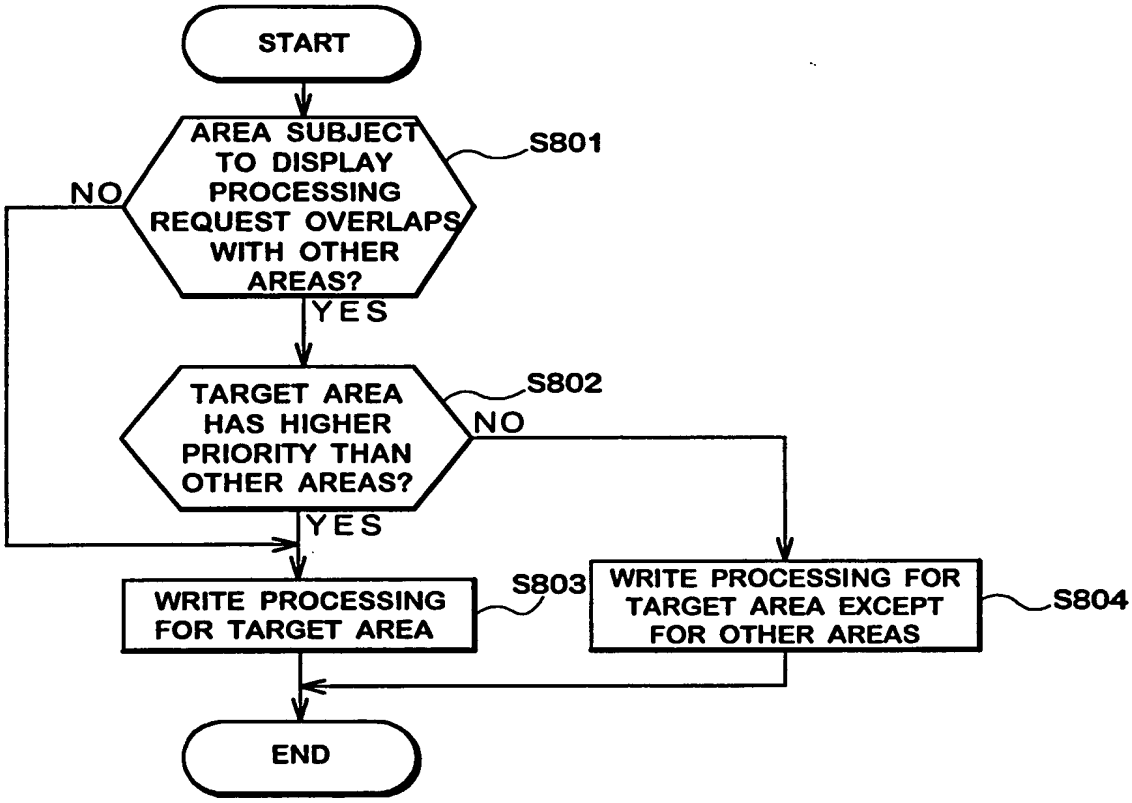


FIG.29

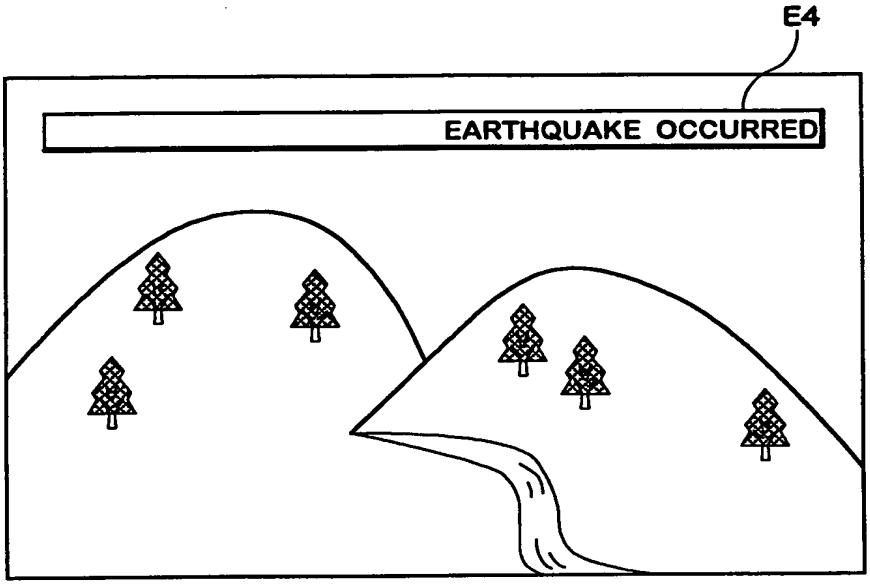


FIG.30

PROCESSING UNIT PRIORITY TABLE

AREA	PRIORITY
T1	2
T2	1
T3	4
T4	3

FIG.31

FOURTH EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

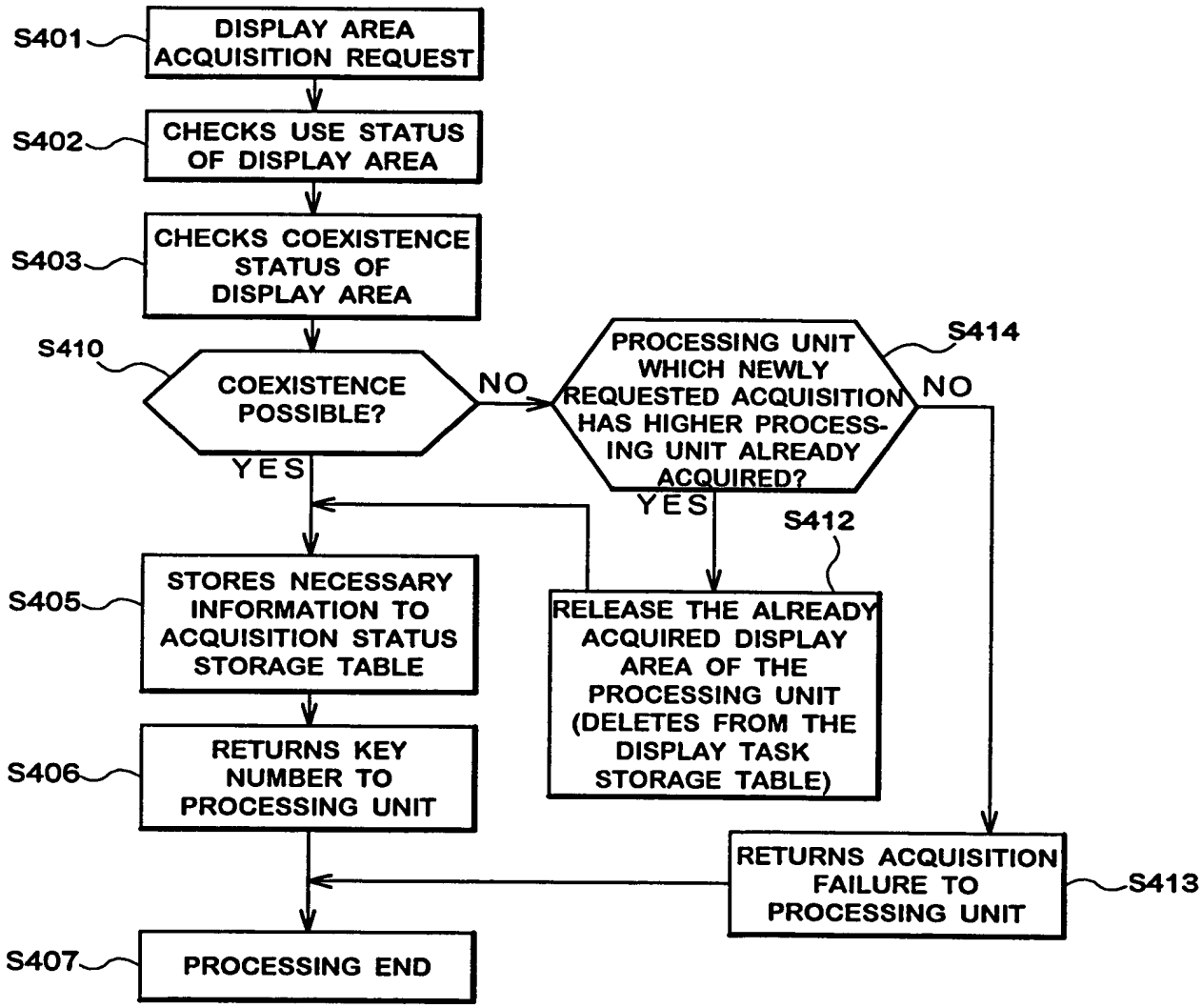


FIG.32

FIFTH EMBODIMENT(GENERAL CONFIGURATION)

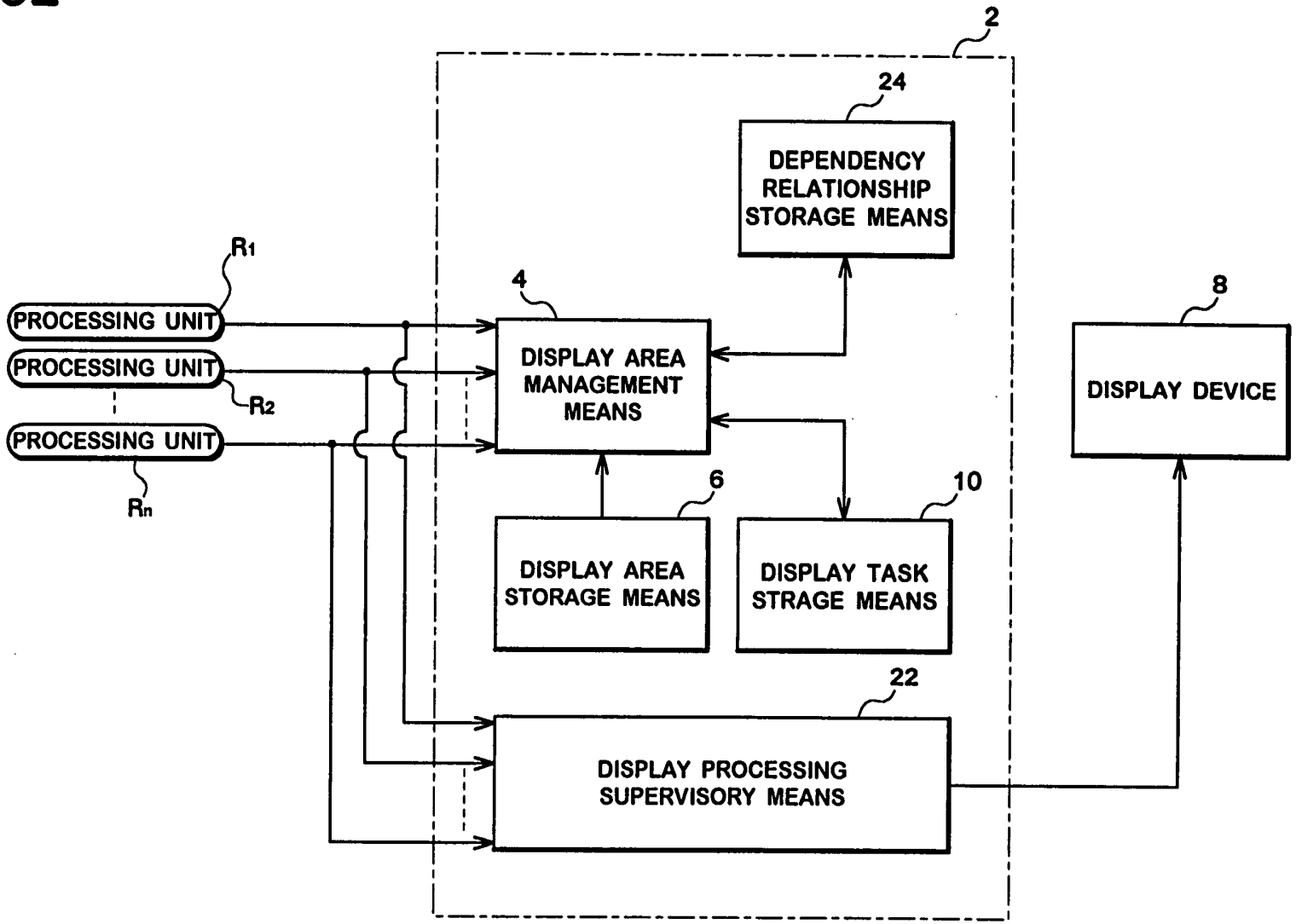


FIG.33

DEPENDENCY RELATIONSHIP TABLE

AREA	AREA TO DEPENDON	AREA TO BE CHANGED
⋮	⋮	⋮
E2	E1	E3
E2	E4	E3
E2	E5	E3
⋮	⋮	⋮
E5	E1	E4

FIG.34

FIFTH EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

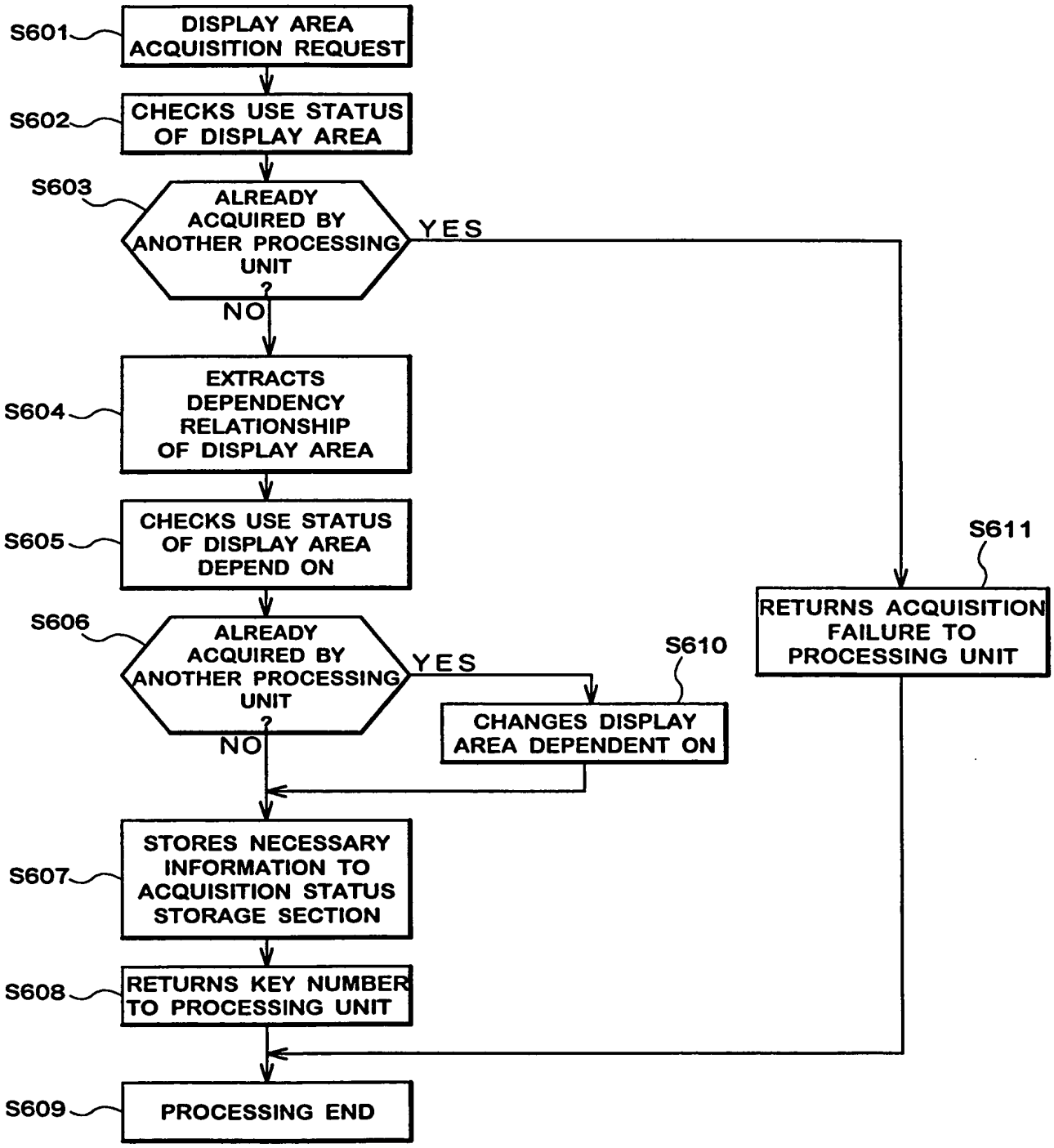


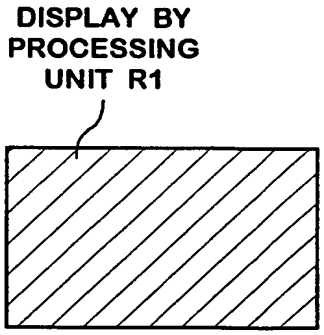
FIG.35

ACQUISITION STATUS STORAGE TABLE

DISPLAY SCREEN

A

AREA	PROCESSING UNIT	KEY NUMBER
E1	T1	1105151312
E2		
E3		
E4		
E5		



B

AREA	PROCESSING UNIT	KEY NUMBER
E1		
E2	T2	2205151321
E3	T1	3105151322
E4		
E5		

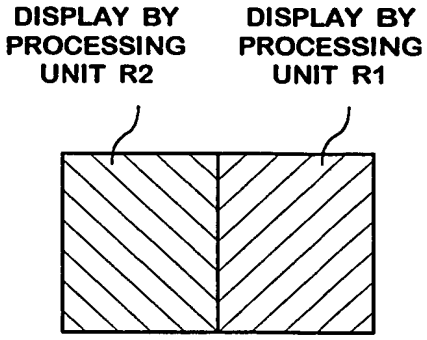


FIG.36

SIXTH EMBODIMENT(GENERAL CONFIGURATION)

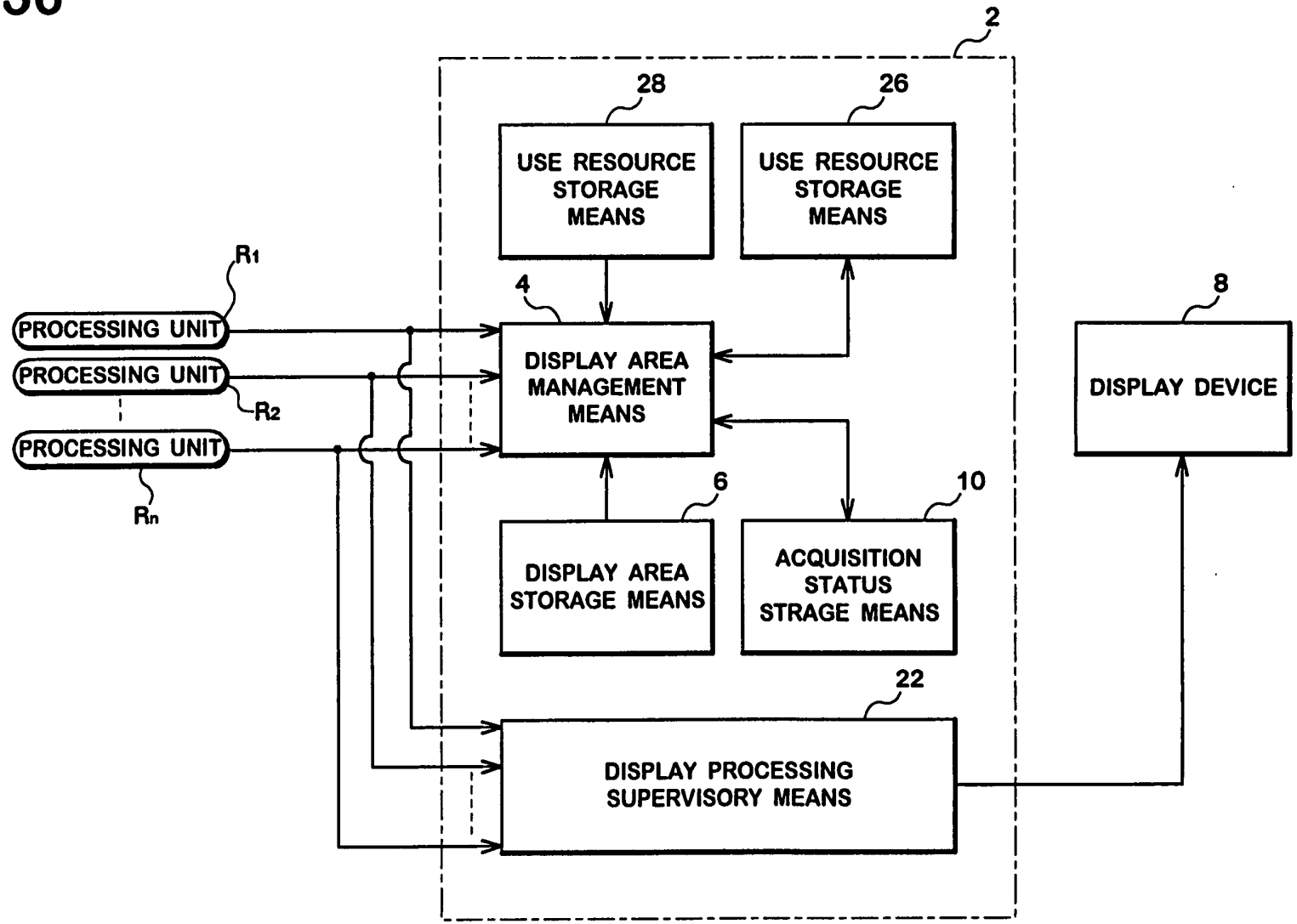


FIG.37

AVAILABLE RESOURCE TABLE

PROCESSING UNIT	AVAILABLE RESOURCE
R1	MODEM
R2	MODEM,SPEAKER
R3	NONE

FIG.38

USE RESOURCE TABLE

RESOURCE	PROCESSING UNIT USING RESOURCE
MODEM	R1
SPEAKER	
VIDEO	

FIG.39

SIXTH EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

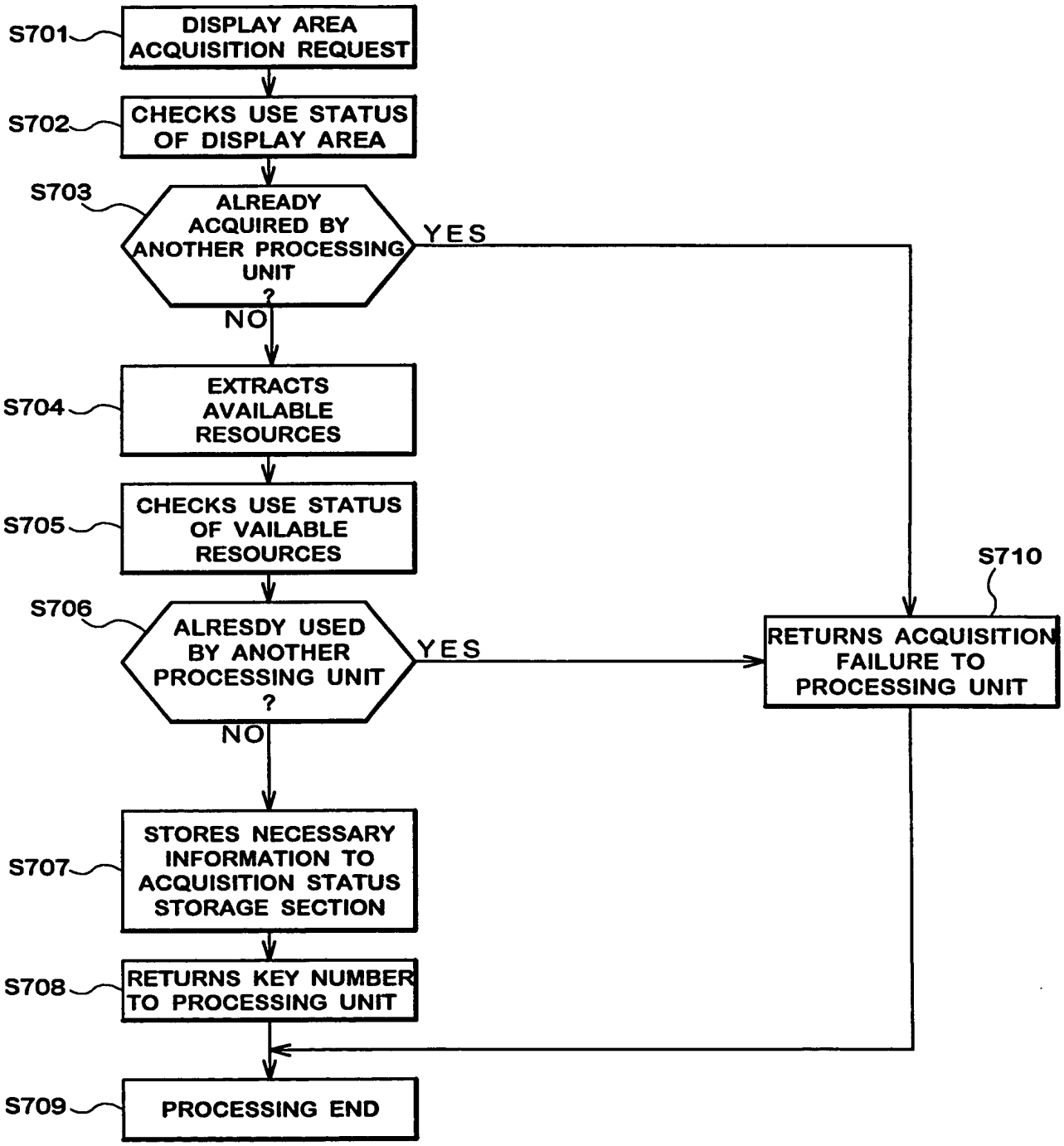


FIG.40

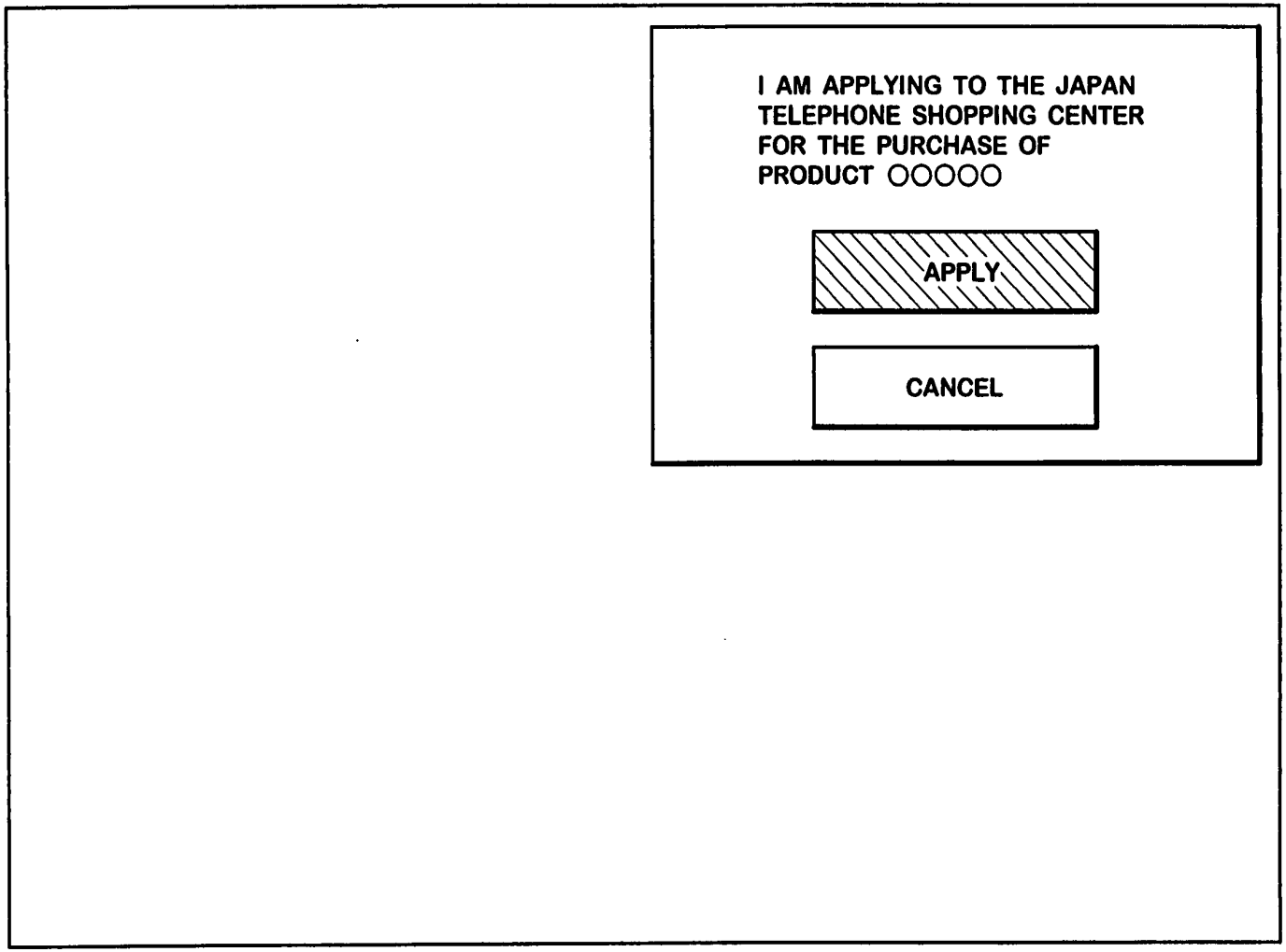

I AM APPLYING TO THE JAPAN TELEPHONE SHOPPING CENTER FOR THE PURCHASE OF PRODUCT OOOOO
APPLY
CANCEL

FIG.41

SEVENTH EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

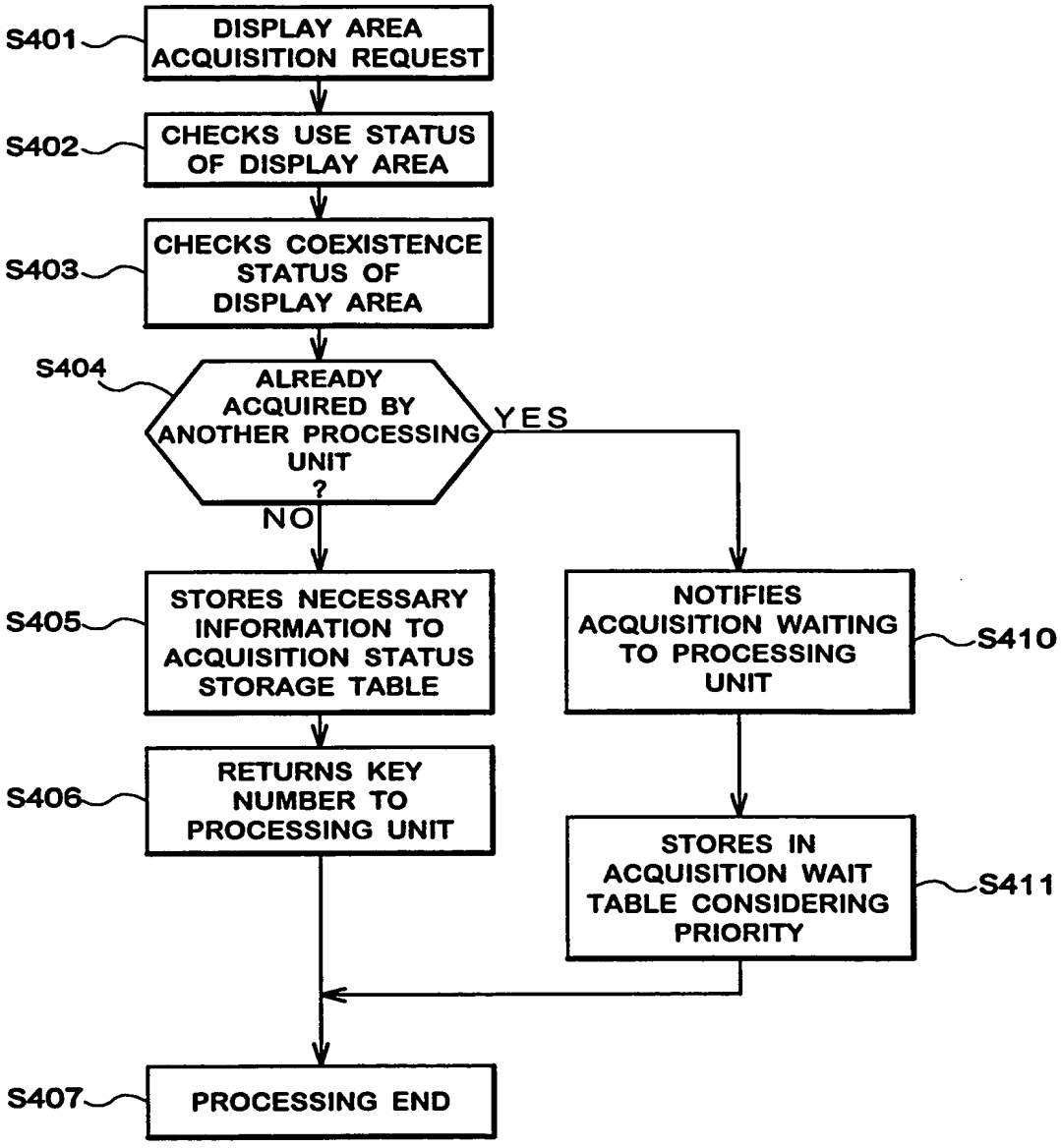


FIG.42

SEVENTH EMBODIMENT
(FLOW CHART OF RELEASE REQUEST PROCESSING)

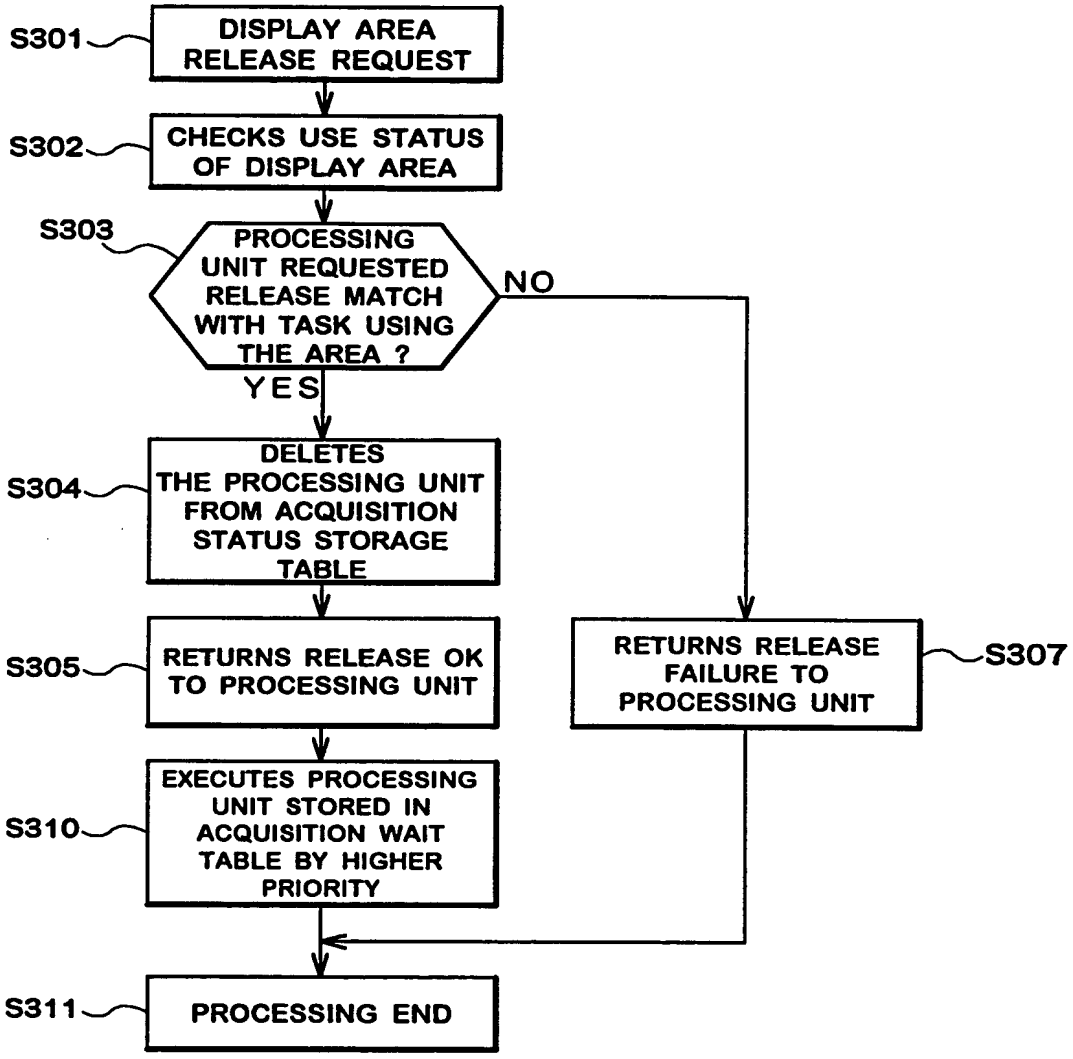


FIG.43

ACQUISITION WAIT TABLE

A

PROCESSING UNIT	REQUESTED AREA
⋮	⋮

B

PROCESSING UNIT	REQUESTED AREA
R4	E2
⋮	⋮

FIG.44

SEVENTH EMBODIMENT
(FLOW CHART OF PROCESSING OF ACQUISITION REQUESTS IN WAITING STATUS)

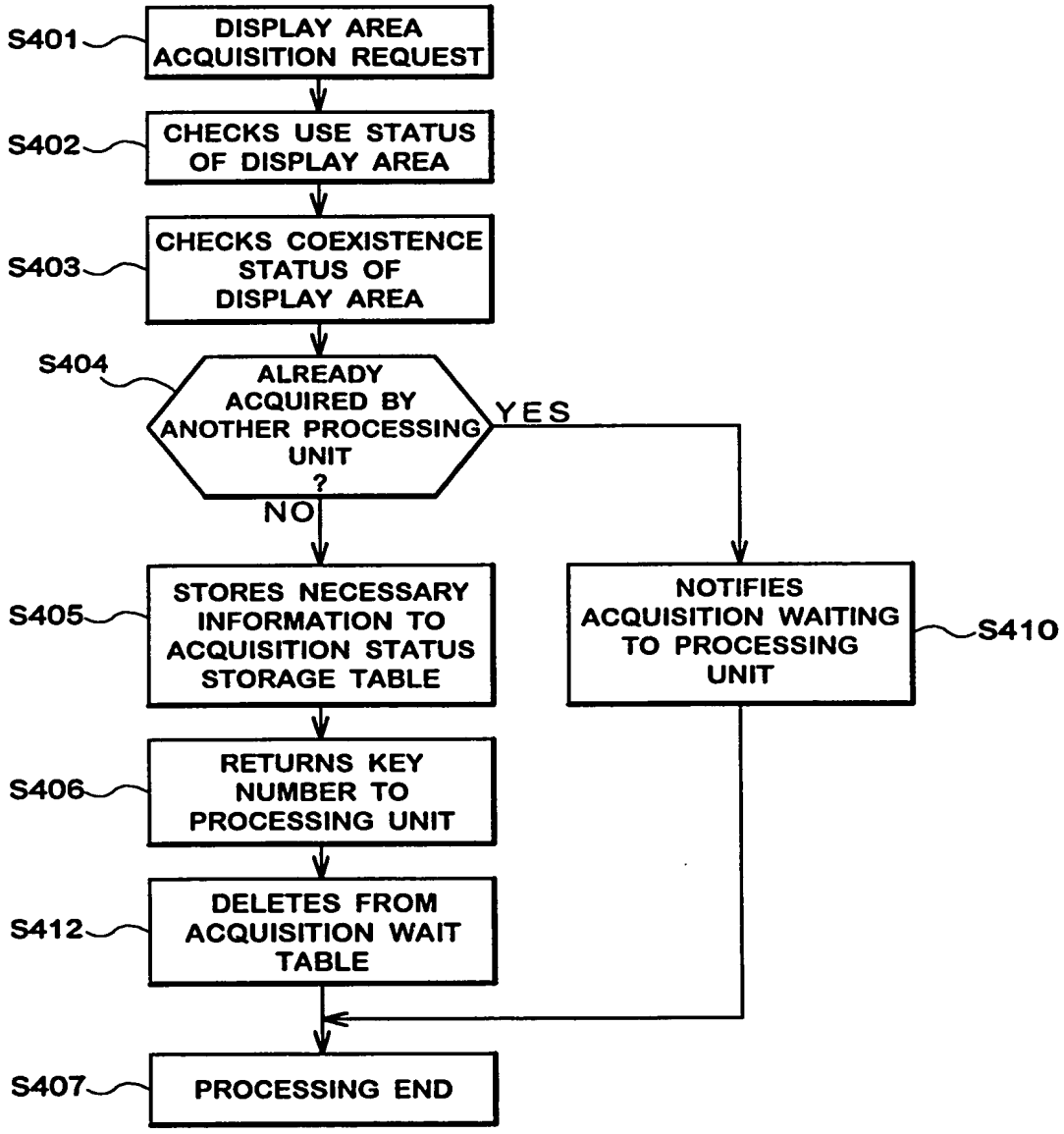


FIG.45

EIGHTH EMBODIMENT(GENERAL CONFIGURATION)

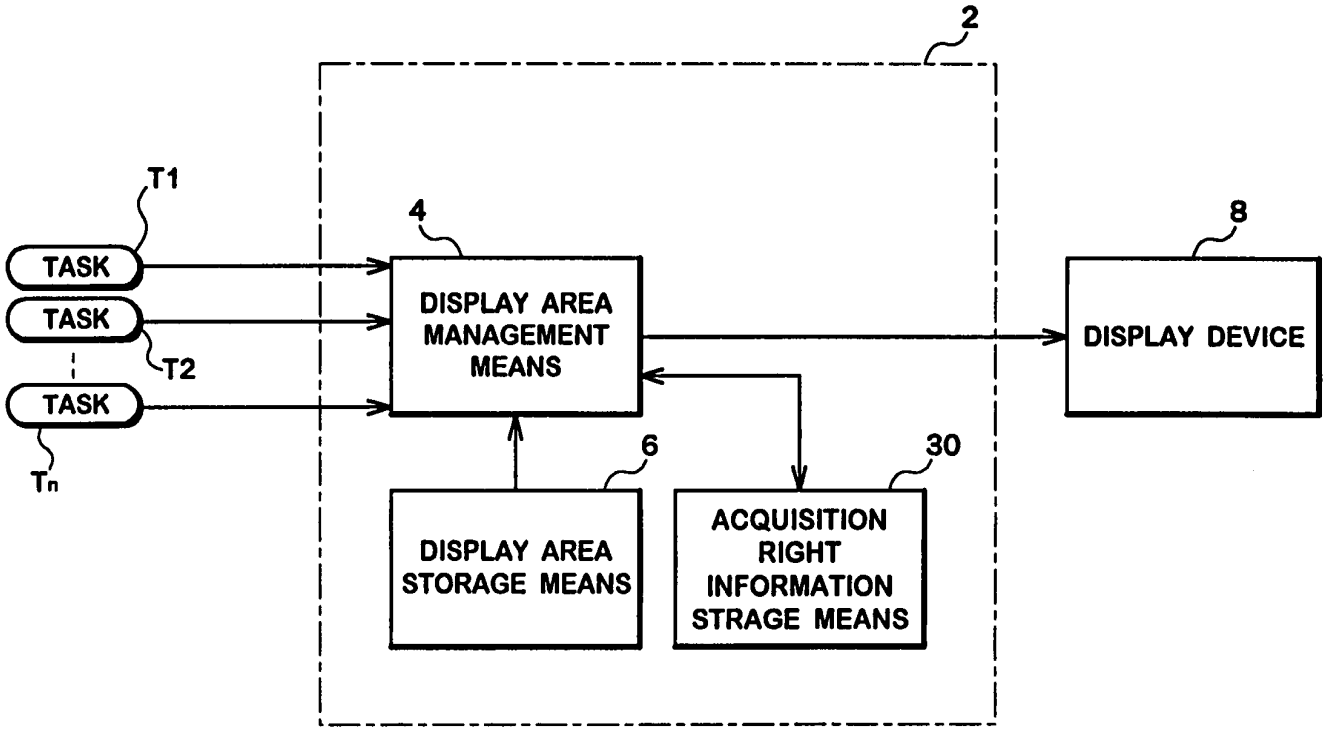


FIG.46

DISPLAY AREA DEFINITION EXAMPLE

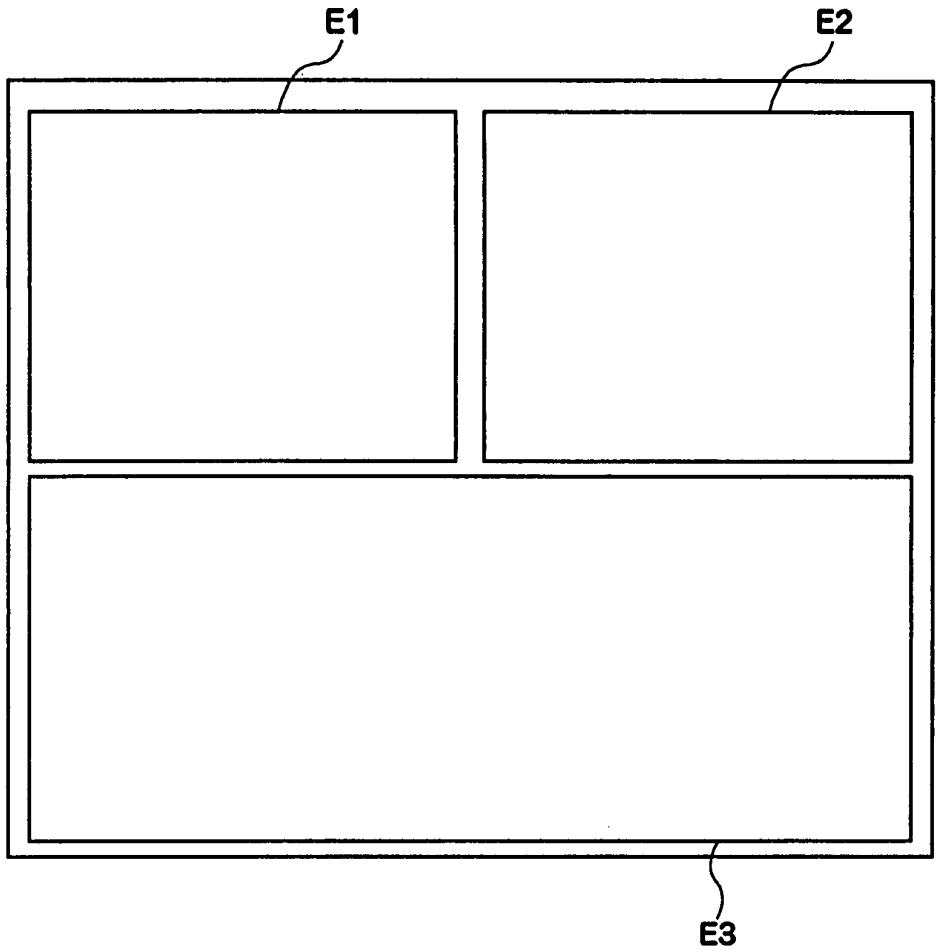


FIG.47

DISPLAY AREA DEFINITION TABLE

AREA	ORIGIN COORDINATE	WIDTH	HIGHT	REMARKS
E1	(0, 0)	340	210	UPPER LEFT HALF SCREEN AREA
E2	(340, 0)	340	210	UPPER RIGHT HALF SCREEN AREA
E3	(0, 210)	680	210	LOWER HALF SCREEN AREA

FIG.48

ACQUISITION RIGHT INFORMATION TABLE

AREA	TASK
E1	T1
E2	T2
E3	T3

FIG.49

EIGHTH EMBODIMENT
(FLOW CHART OF ACQUISITION REQUEST PROCESSING)

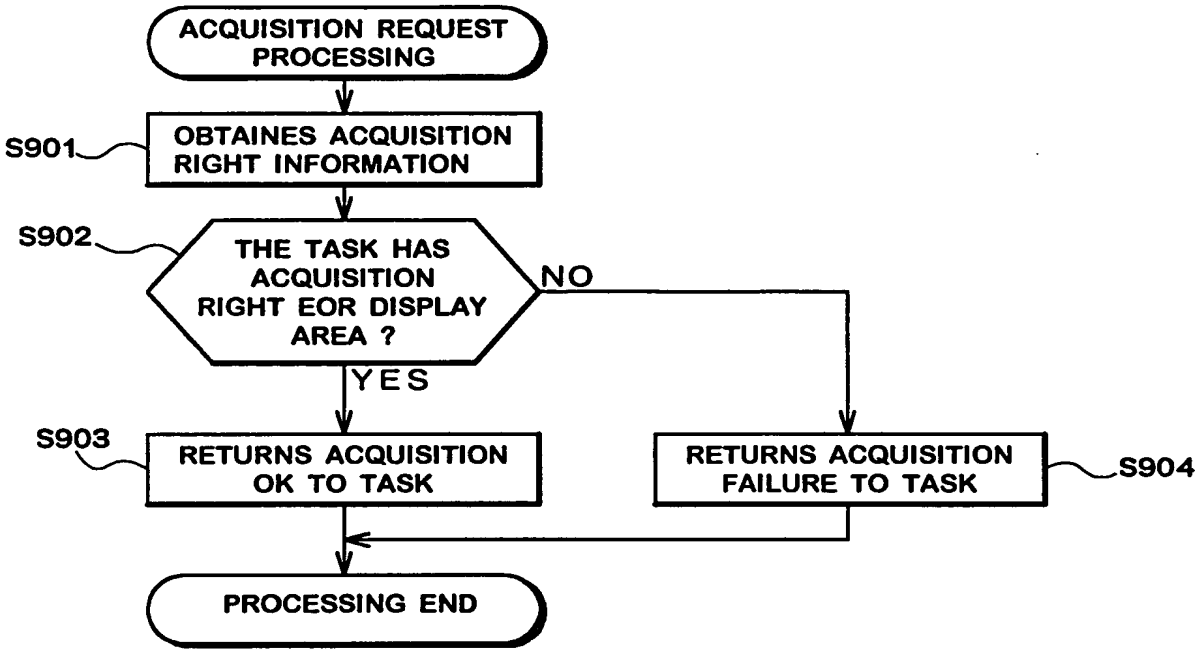


FIG.50

ACQUISITION RIGHT INFORMATION TABLE

AREA	TASK
E1	T1, T2, T5
E2	T2
E3	T4, T3

FIG.51

ACQUISITION RIGHT INFORMATION TABLE

AREA	TASK	USABLE TASKS
E1	T1, T2, T5	2
E2	T2	1
E3	T3, T4	2

FIG.52

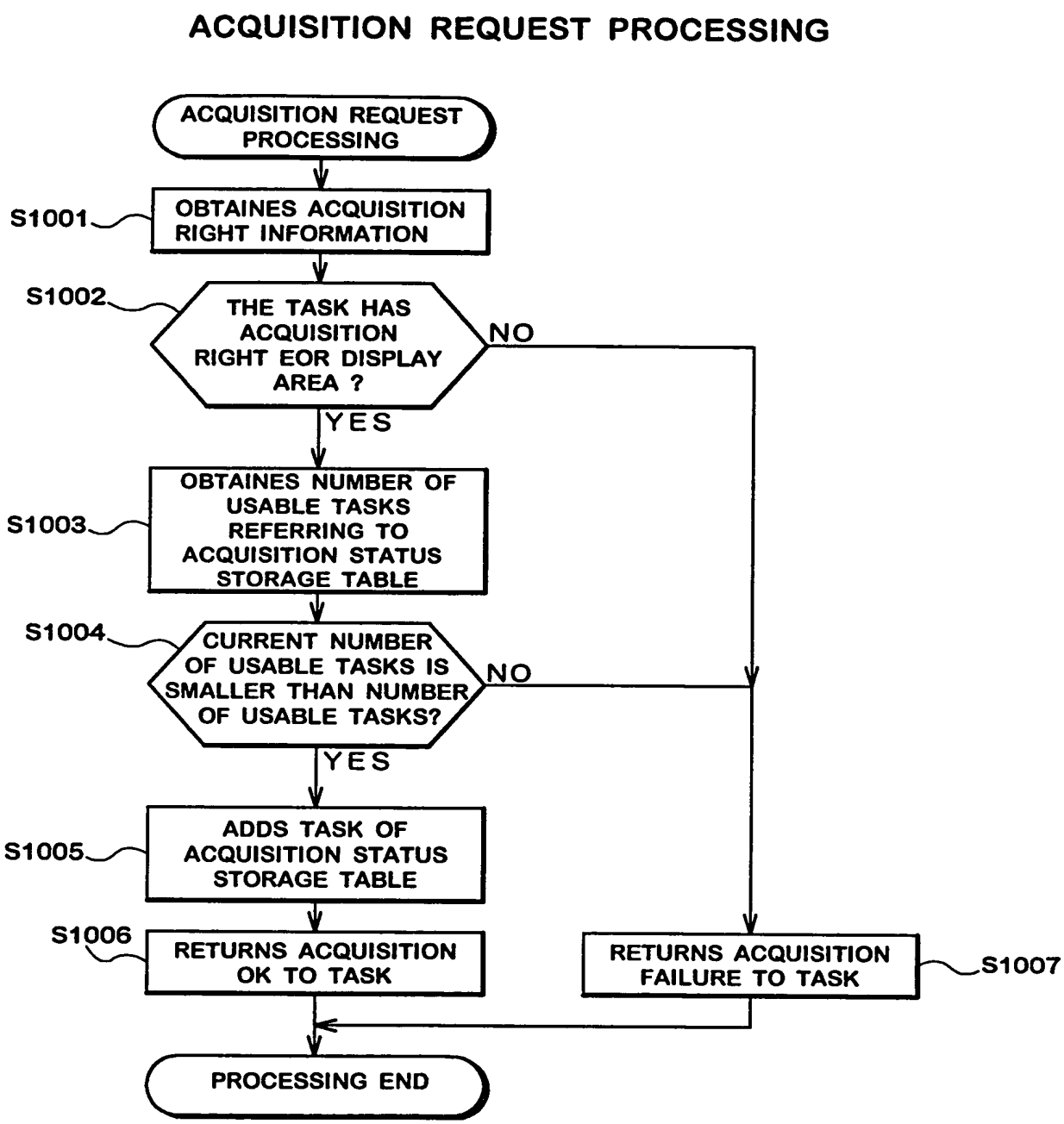

ACQUISITION REQUEST PROCESSING
ACQUISITION REQUEST PROCESSING
S1001
OBTAINES ACQUISITION RIGHT INFORMATION
S1002
THE TASK HAS ACQUISITION RIGHT EOR DISPLAY AREA ?
NO
YES
S1003
OBTAINES NUMBER OF USABLE TASKS REFERRING TO ACQUISITION STATUS STORAGE TABLE
S1004
CURRENT NUMBER OF USABLE TASKS IS SMALLER THAN NUMBER OF USABLE TASKS?
NO
YES
S1005
ADDS TASK OF ACQUISITION STATUS STORAGE TABLE
S1006
RETURNS ACQUISITION OK TO TASK
RETURNS ACQUISITION FAILURE TO TASK
S1007
PROCESSING END

FIG.53

ACQUISITION STATUS STORAGE TABLE

AREA	TASK
E1	T1, T2
E2	
E3	T3